



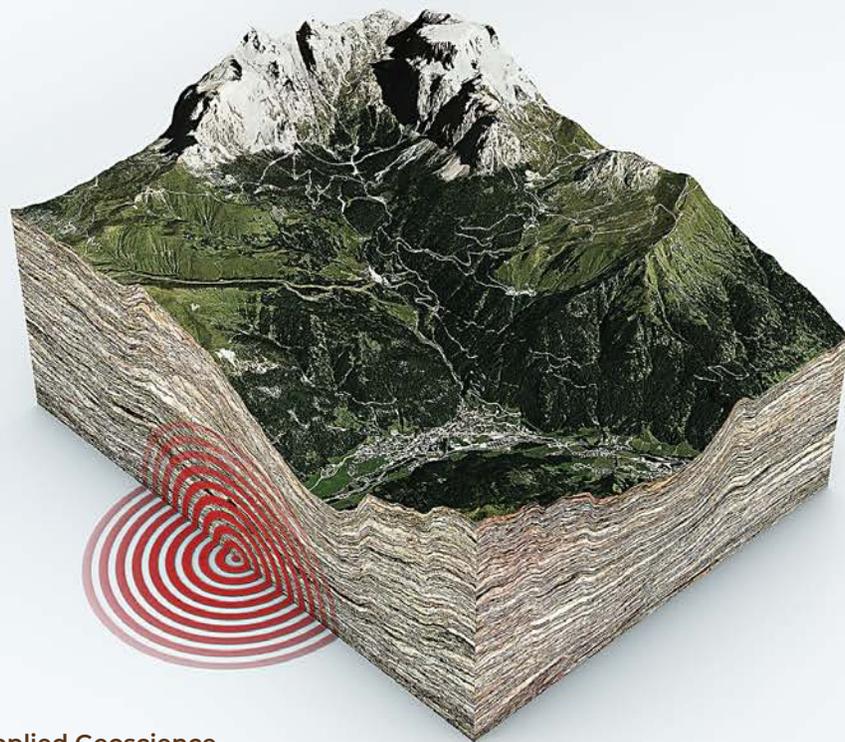
**Botswana  
Geoscience  
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Excellence in Geoscience

# Botswana Seismological Network Bulletin

**H1 issue for April 2020 -  
September 2020**

**Compiled by:**

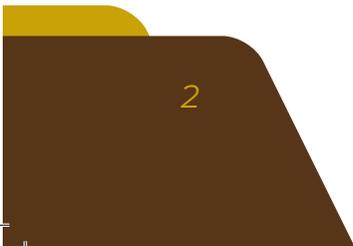
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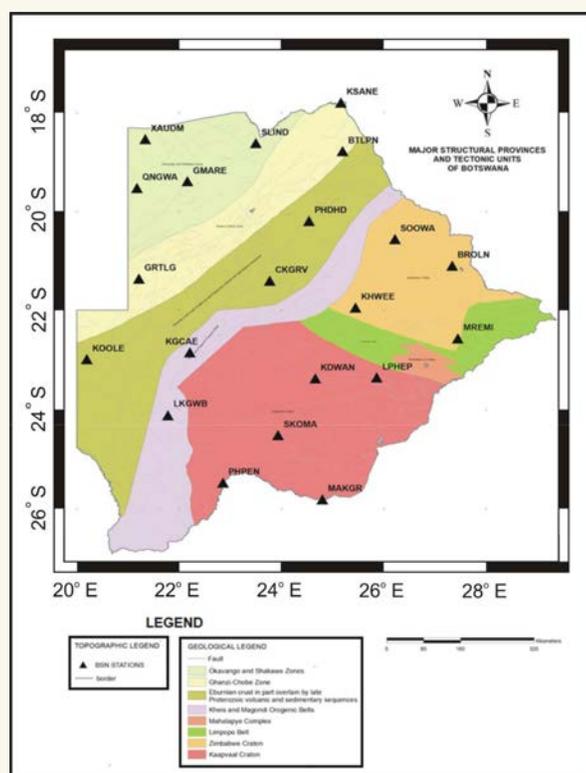
# 1. Introduction

Botswana Geoscience Institute or BGI (formerly Department of Geological Survey) is mandated to advance geoscientific knowledge and research frontiers on the mineral resources of Botswana. The BGI is also vested with the statutory responsibility of monitoring of geohazards in the country, including earthquakes and seismological research to advance knowledge on the mitigation of earthquake-related disasters. To that end, Seismology Section of the BGI conducts earthquake monitoring as part of the implementation of a national development project (NDP) entitled the Botswana Seismological Network (BSN). The BSN project currently involves deployment of a countrywide network of twenty-one (21) digital broadband seismic stations.

The main scientific objective of the BSN initiative is to detect and locate earthquakes in Botswana and the surrounding area in order to improve knowledge of the causes of the earthquakes in the region, gain better understanding of how to mitigate the effects of future damaging earthquakes, and to undertake seismological research on the local and regional seismicity and seismotectonics for provision of a base for seismic hazard assessment and earthquake disaster risk reduction (DRR). Keeping pace with seismological research and innovation should assist the BSN to maintain its prominent position in earthquake monitoring, while improving its operational robustness and impact contribution towards the public seismic safety goal of minimizing loss of human life, property damage, and socio-economic disruption due to earthquakes. Currently, Botswana has achieved remarkable advances on the practical application of Earthquake Seismology, involving earthquake detection and localization, and seismic network operation and maintenance through deployment of state-of-the-art seismological instrumentation as well as de facto world standard seismological software resources including SeisComP3 for real-time data acquisition, archiving, processing and dissemination.

Several key areas of operational and research focus have been identified as being of the highest importance. These include the implementation of a number of improvements of local and regional monitoring capabilities, automatic earthquake notification service (ENS), and acquisition of licensed modules of the SeisComP3 software system to enable timely dissemination of earthquake information and earthquake rapid-response whenever earthquakes occur.

The data used in the present seismological bulletin was recorded by the BSN stations during the first half of the financial year 2020-2021, specifically between April 2020 and September 2020. Other local and regional seismological stations used to supplement the BSN data include seismic networks of the AfricaArray project, the Global Telemetered Seismograph Network (GTSN), and the International Federation of Digital Seismograph Networks (FDSN). The map in **Figure 1.1** shows a countrywide distribution of the BSN stations, while detailed description of the BSN equipment is provided in **Table 1.1**.



**Figure 1.1: Map showing geographical distribution of the BSN stations.**

**Table 1.1: Tabulated specification list of the Botswana Seismological Network (BSN)**

Station ID	Location	Sensor	Latitude (Y)	Longitude (X)	Altitude (m)
SKOMA	Sekoma	Trillium 120p	-24.51535	23.93279	980
LKGWB	Lokgwabe	Trillium 120p	-24.11352	21.78230	1153
KOOLE	Kole	Trillium 120p	-22.99307	20.19555	1313
XAUDM	Xaudum	STS-2	-18.53956	21.33822	1060
SLIND	Selinda	Trillium 120p	-18.62089	23.50048	961
KSANE	Kasane	Trillium 120p	-17.80017	25.16189	1006
QNGWA	Qangwa	Trillium 120p	-19.52957	21.17400	1094
KHWEE	Khwee	Trillium 120p	-21.94641	25.44691	1083
CKGRV	CKGR	Trillium 120p	-21.40355	23.77177	1005
GRTLG	Groot Laagt	STS-2	-21.36192	21.21571	1198
KGCAE	Kacgae	Trillium 120p	22.85382	22.20679	1153
KDWAN	Kaudwane	Trillium 120p	-23.38039	24.66079	1038
PHEPN	Phepeng	Trillium 120p	-25.47553	22.85729	1030
GMARE	Gumare	STS-2	-19.38931	22.16246	985
BTLPN	Bottlepan	STS-2	-18.78417	25.19601	1035
PHDHD	Phuduhudu	STS-2	-20.19568	24.53719	956
BROLN	Borolong	Trillium 120p	-21.09968	27.33424	1047
SOOWA	Sowa	Trillium 120p	-20.56285	26.21785	941
MREMI	Moremi	Trillium 120p	-22.56967	27.44682	911
LPHEP	Lephepe	Trillium 120p	-23.36303	25.85961	1020
MAKGR	Mmakgori	Trillium 120p	-25.81185	24.80085	1158



## 2. General Event Bulletin

The datasets were analysed for the determination of hypocenters and magnitudes using the seismological program SEISAN (Havskov and Ottemöller, 2005). The main references for the rest of this section include Havskov and Ottemöller (2010), Havskov et al. (2011) and Ottemöller et al. (2011).

In this analysis, both P- and S-wave arrival times were used. The location program currently used for locating earthquakes is Hypocenter (Lienert et al., 1986). Plane parallel layers are assumed for local and regional events, while the IASPEI travel time tables are used for teleseismic events. The one-dimensional (1-D) crustal and uppermost mantle model shown in **Table 2.1** was used as the reference model (Havskov and Ottemöller, 2005) for all local and regional events located in the present work.

**Table 2.1: Reference 1-D model used in the present bulletin (Havskov and Ottemöller 2005)**

P-wave velocity (km/s)	Depth to top layer (km)
6.2	0.0
6.6	12.0
7.1	23.0
8.05	31.0
8.25	50.0
8.5	80.0

Magnitudes are calculated from coda duration and/or amplitudes. The coda wave magnitude is estimated via the formula:

$$M_c = -3.0 + 2.6 \log_{10}(T) + 0.001D$$

Where  $T$  is the coda duration (in seconds) and  $D$  is the epicentral distance in kilometers (km).

If the instrument corrected maximum ground amplitudes  $A$  in nanometers (nm) are available, local magnitude  $M_L$  is calculated by the following formula (Alsaker et al., 1991):

$$M_L = 0.925 \log(A) + 0.91 \log(D) + (0.00087D) - 1.31$$

Where  $D$  is the hypocentral distance (km).

All available amplitudes and coda values are used for magnitude calculations. No station corrections are used for either travel times or magnitudes calculations. The  $V_p/V_s$  ratio (where  $V_p$  is the P-wave velocity and  $V_s$  is the S-wave velocity) used in both layered models above is 1.73.

As a general rule, neither depths nor epicenters are fixed unless stated since this might restrict later use of the data. As a consequence, some event locations might be unrealistic, like zero-depth or too deep ( $\pm 650$  km) earthquakes around the seismic source area of interest. However, the locations are based on the available data and reflect the location procedure and the models used.



### 3. Abbreviations Used in the Event Bulletin

This section provides a list of abbreviations used in the present seismic bulletin as tabulated in **Table 3.1** below.

*Table 3.1: Reference 1-D model used in the present bulletin (Havskov and Ottemöller 2005)*

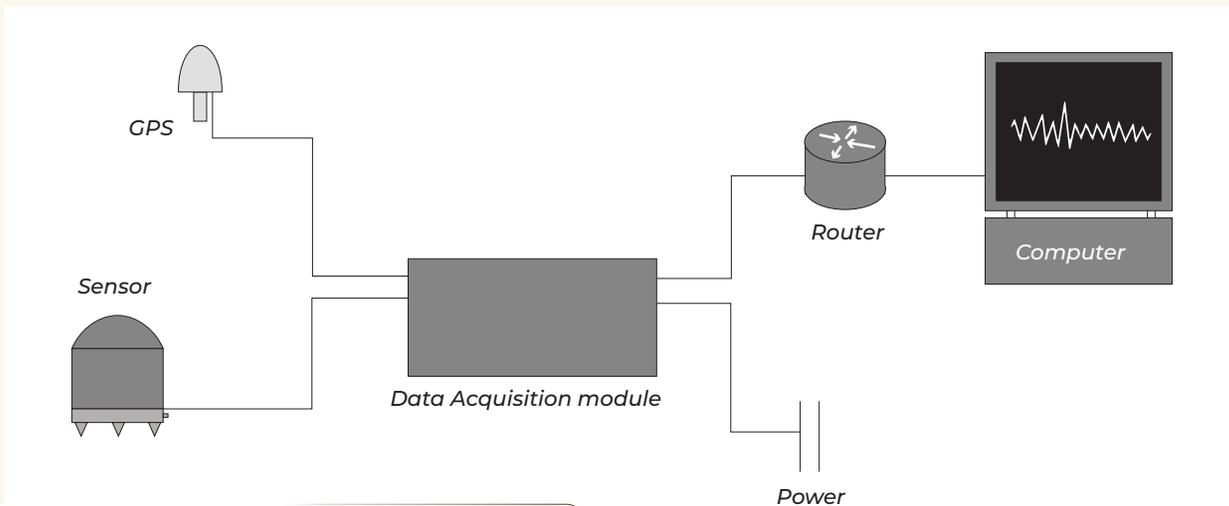
<b>TIME:</b>	Origin time in UTC
<b>LAT:</b>	Latitude of epicenter
<b>LON:</b>	Longitude of epicenter
<b>DEPTH:</b>	Focal depth in kilometers (trailing F indicates fixed depth)
<b>AGENCY:</b>	Hypocenter reporting agency e.g. BGS (Botswana Geoscience Institute)
<b>MAGNITUDES:</b>	Magnitudes is given followed by type and reporting agency e.g. 3.1 ML BGS - Local magnitude calculated by Botswana Geoscience Institute.
<b>RMS:</b>	Root mean square value of travel time residuals
<b>REGION:</b>	Region in which the epicenter was located
<b>STAT:</b>	Station code
<b>CO:</b>	Component (BH: 40 Hz triggered, Z: Vertical channel, N: North-South channel, E: East-West channel)
<b>DIST:</b>	Epicentral distance (km)
<b>AZI:</b>	Azimuth from source to station
<b>PHAS:</b>	Phase; The first letter characterizes onset E (emergent) or I (impulsive)
<b>P:</b>	Polarity (C for compression, D for dilatation)
<b>HR:</b>	Hour
<b>MN:</b>	Minutes
<b>SECON:</b>	Seconds
<b>TRES:</b>	Residual (seconds)
<b>CODA:</b>	Signal duration in seconds
<b>AMPL:</b>	Ground Amplitude ( $0.5^*$ [peak to peak]), (nm) at period PERI
<b>AML:</b>	Maximum ground motion amplitude selected over the surface waves filtered from 1.25 to 40 Hz

<b>AMB:</b>	Maximum ground motion amplitude selected over the P-phase arrival filtered from 0.5 to 5 Hz
<b>AMS:</b>	Maximum ground motion amplitude selected over the surface waves of teleseismic earthquakes filtered from 0.042 to 0.063 Hz.
<b>PERI:</b>	Period at which amplitude is measured
<b>BAZ:</b>	Back azimuth (station to event)
<b>ARES:</b>	Back azimuth residual
<b>VELO:</b>	Apparent phase velocity (km/sec)
<b>WT:</b>	Weight of phase in the location
<b>*:</b>	An asterisk before the P-phase arrival time implies a potential timing problem at the station. Thus, the difference in time between the PS times will be used in the hypocentre location.

## 4. Botswana Seismological Network (BSN)

The current BSN stations were initially deployed within the framework of a collaborative research project between BGI and the Netherlands based University of Twente (UT) and Utrecht University (UU), called the 2013 - 2018 Network of Autonomously Recording Seismographs – Botswana (NARS – Botswana) project.

The scientific goal of the 2013-2018 NARS-Botswana project was to investigate the seismological structure of the crust and mantle beneath Botswana using signals generated by teleseismic earthquakes. The NARS-Botswana project also provided the opportunity to provide a detailed definition of the seismicity of Botswana, which opened further avenues of local seismological research opportunities. Subsequently, at the end of the international collaborative project, ownership of this modern earthquake surveillance system was transferred from UU to the BGI to reconstitute the present nationwide BSN. The distribution and configuration of the stations of the BSN seismic observatory are shown in **Figures 1.1** and **4.1** respectively.



**Figure 4.1:** Equipment configuration and connection setup used at a seismic station BSN

## 4.1 Equipment Description

The seismometers deployed in the BSN are the Nanometrics Trillium 120P and the Streckeisen STS-2 broadband sensors (**Table 1.1**). Both seismographic systems are electronic force-feedback sensors that provide an output signal proportional to ground velocity over a broad frequency range. For precise timing, the Trimble Acutime Gold GPS smart antenna is used at every station of the network. The GPS unit generates a pulse-per-second (PPS) output synchronized to UTC within 15 nanoseconds and outputs a timing and position packet for each pulse. For digitizing, storing, and writing of seismic waveform data, the stations were equipped with a data-logger (data acquisition system or DAS) developed by the Seismology Group of the Utrecht University together with the Instrumental Group of the Physics Department. The DAS consists of two main components as follows:

- i. A data acquisition module, which does the analog-to-digital (AD) conversion and timing, and
- ii. An off-the-shelf embedded computer, for all further data processing.

A Linux-based portable computer was also used for station setup, data collection, and communication with the DAS system. All station sites are powered by solar-energy rechargeable batteries. The total power consumption of each of the NARS stations is only 15 Watts, and so a solar panel of 140 Watts was installed with a combination of two 105 Ampere-hour batteries. When fully charged, the battery setup will keep the station running for at least 5 days in case of overcast weather conditions. An intelligent charge-controller regulates the power and takes care of battery overcharging. The DAS is connected directly to the batteries and not at the controller load.

## 4.2 Data Acquisition

The BSN data acquisition operation is based on the following configuration:

1. SeisComP3 software package developed by GEOFON in collaboration with gempa GmbH. Broadband waveform files are transmitted near real-time to the BGI data

center in Lobatse as continuous, 40Hz data in miniSEED format. The BSN waveform data is currently archived in two ways:

2. Secure File Transfer Protocol (sFTP): This has been automated using remote synchronization (rsync), a Linux based tool. rsync is a utility for efficiently transferring and synchronizing files between a computer and external networked computers by comparing the modification times and sizes of files.

The Selinda (SLIND), CKGR Deception Valley (CKGRV), and Bottle Pan (BTLPN) stations are located in remote areas where mobile networks are unavailable, hence data is collected through the station visit and other arrangements made with the station hosts.

## 5. Results

### 5.1 Local Events

A significant number of events were recorded across Botswana and the surrounding areas. A total of 208 local events were located for the period between (April 2020– September 2020). The recorded events are attributed to a combination of both anthropogenic and natural sources, viz. mining-related events (including mine blasts and mining-induced tremors) and tectonic activity. The largest event recorded during the April 2020 – September 2020 period was the ML magnitude 3.3 located in the Okavango Delta Region (ODR) as shown in **Figure 5.1**. The second largest event was the ML magnitude 3.1 that occurred in central Botswana (**Figure 5.1**).

Most events within Botswana are clustered around the Orapa-Letlhakane and Jwaneng mining districts (**Figure 5.2**).

## 5.1.1 Tectonic (Natural) Events

Most of the tectonic (natural) events detected during the current reporting period have epicenters distributed across the country as shown in **Figures 5.1** and **5.2**. This indicates that seismic activity is taking place throughout the landmass of Botswana.

Furthermore, the BSN stations detected a few tectonic events in the ODR (area B in **Figure 5.2**). The seismicity in the ODR has long been associated with incipient rifting along a south-western branch of the East Africa Rift System or EARS. Listed in **Appendix A** of this bulletin, the largest event recorded in the country between April 2020 and September 2020 was the ML 3.3 earthquake that occurred on the 4th July 2020 at origin time 03:10:54.8, location coordinates of Latitude 18.98° South, Longitude 23.43° East, and depth 14.7 kilometres located in the ODR (**Figures 5.1** and **5.2**).

The second largest event was the ML magnitude 3.1, which happened on the 15th April 2020, origin time 08:06:55.5, hypocentral location of Latitude 22.57° South, Longitude 25.14° East, and 12.6 kilometers deep in the central part of Botswana (within area D in **Figure 5.2**). Further details of both the ML 3.3 and 3.1 events are provided in the appendix section of this bulletin. This event is also listed in the **Appendix A** of this bulletin.

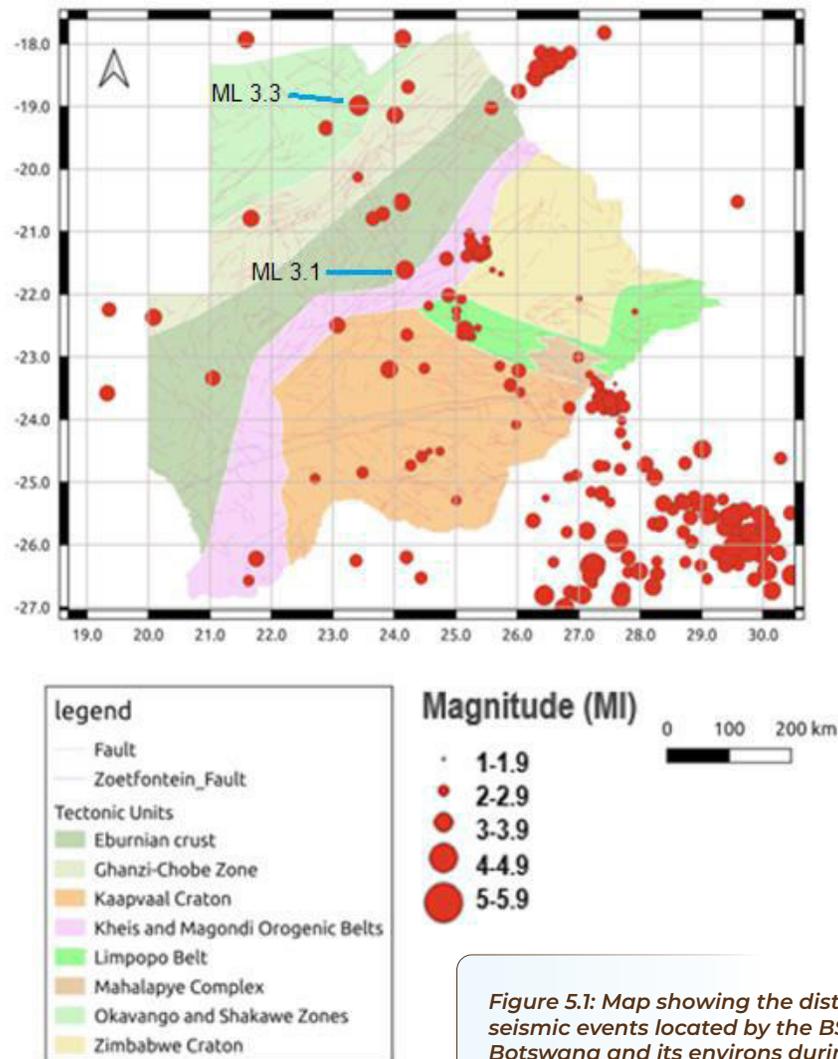


Figure 5.1: Map showing the distribution of seismic events located by the BSN stations in Botswana and its environs during the period April 2020-September 2020.

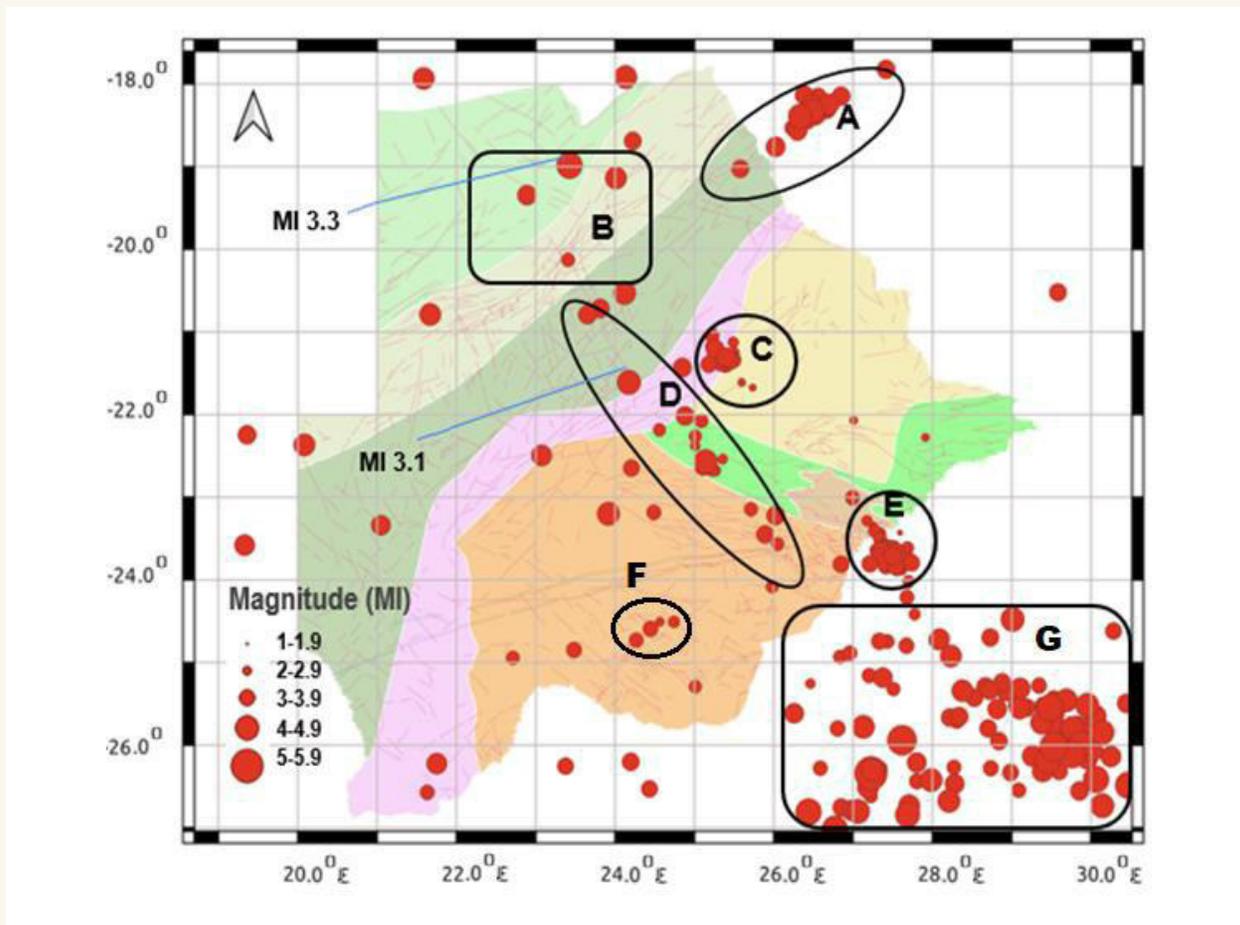


Figure 5.2: Map same as in Figure 5.1 but highlighting clusters of seismicity patterns over various source regions delineated by the BSN stations in Botswana and the surrounding area during the period April 2020-September 2020.

## 5.1.2 Mine Explosions (and Suspected Events)

The BSN stations also located a number of seismic events with epicenters distributed in the Orapa-Letlhakane-Damtshaa and Jwaneng mining areas (Areas C and F in **Figure 5.2**). These events are associated with mining-induced seismicity. The waveforms recorded by BSN stations near the individual mining areas indicate explosion-type signals, and this is supported by both the origin times distributed within the range of 13:00–16:00 UTC, and the ML magnitudes of these events distributed within the range of 1.6–2.5. Due to the lower signal-to-noise ratio, some events (blasts in particular) were poorly located by the BSN stations.

The observed scatter in the distribution of the epicentres is mostly attributable to the location errors, which could be minimized through the use of local seismic networks installed around the mining areas to enable detection and localization of seismic activity associated with mining operations.

Similar events were also located outside Botswana in the Lephalale and Gauteng areas in South Africa (areas E and G in **Figure 5.2**).

### 5.1.3 Reservoir-induced Events

A number of events were located around the Kariba-dam area (area A in **Figure 5.2**). These events are attributable to reservoir-induced seismicity. The load-induced earthquakes in the Kariba dam area was reported more than 5 decades ago by Gough and Gough (1970a,b).

### 5.1.3 Regional Events

The BSN stations further contributed in the mapping of regional seismicity by locating a number of regional events across southern Africa (**Figure 5.3**). Most of the natural earthquakes in the subcontinent are associated with EARS, a 3000 km long Cenozoic age continental rift extending from the Afar Triple Junction between the horn of Africa and the Middle East, to western Mozambique

5000-kilometer-long Cenozoic age continental rift extending north-south from Lebanon to Mozambique, EARS is a developing divergent tectonic plate boundary where the African Plate is in the process of splitting into two tectonic plates of the Somali Plate and the Nubian Plate at a rate of 6–7 mm per year (Fernandes et al., 2004).

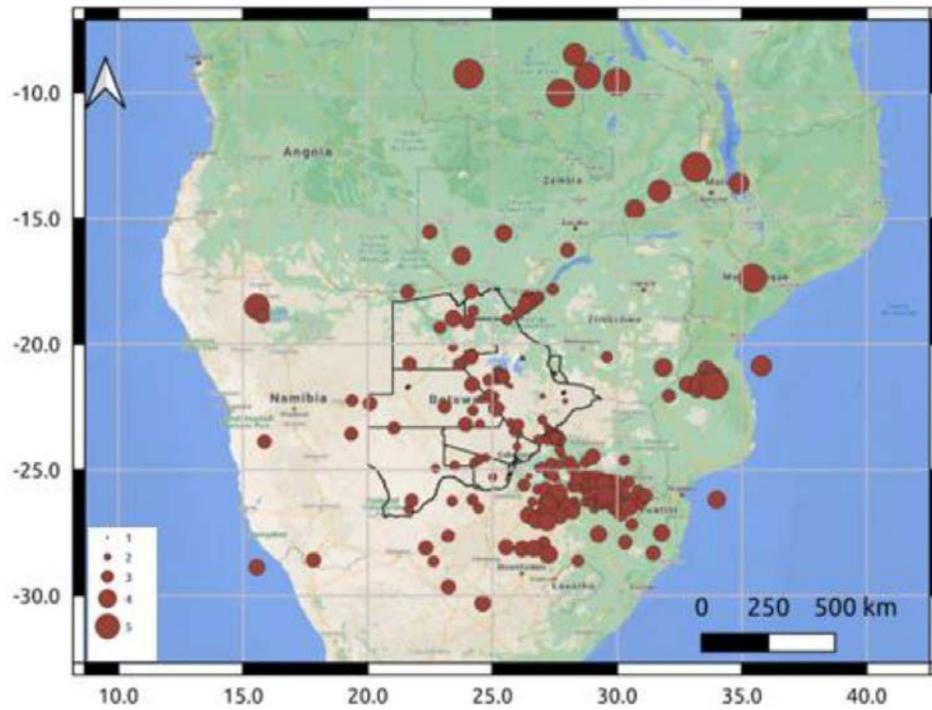


Figure 5.3: Map showing the distribution of seismic events across southern Africa located by the BSN stations during the period April 2020 – September 2020.

## 5.2 Teleseismic Events

The BSN stations provided clear recordings of teleseismic events from all over the world. The recorded teleseismic earthquakes are indicated in **Appendix A** and denoted as Distant Events (D) in the seismic bulletin.

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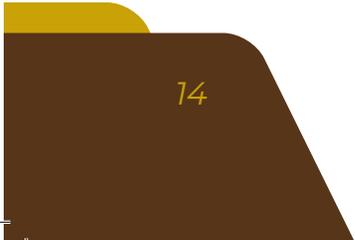
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## Appendix A: Seisan Bulletin Results

**Appendix A** is the Seisan bulletin results for the H1 period of April 2020 – September 2020. It was generated by executing the SEISAN command `bul`, which also creates part of the text information included in the foregoing section of this manuscript.



**April 1 2020 Hour: 0:10 17.3 Lat: 20.72S Lon: 23.81E D:700.0 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ		251	87	IP		011	40.59	-0.97							1.0
GRTLGBZ		279	255	IP		011	43.01	0.44							1.0
KGCAEBZ		289	215	IP		011	42.99	0.10							1.0
KDWANBZ		308	164	IP		011	44.17	0.59							1.0
LPHEPBZ		361	145	IP		011	46.86	0.99							1.0
BROLNBZ		369	97	IP		011	46.60	0.33							1.0
MREMIBZ		428	119	IP		011	48.90	-0.25							1.0
KOOLEBZ		451	235	IP		011	50.03	-0.37							1.0
LKGWBBZ		462	215	IP		011	50.78	-0.13							1.0
MAKGRBZ		573	170	IP		011	56.74	-0.74							1.0

**April 1 2020 Hour: 9:50 48.0 Lat: 21.43S Lon: 24.85E D:700.0 Ag: BGS Local**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KDWANBZ		217	185	IP		952	16.55	0.82							1.0
LPHEPBZ		238	154	IP		952	16.87	0.36							1.0
MREMIBZ		296	116	IP		952	18.41	-0.56							1.0
KGCAEBZ		315	239	IP		952	20.22	0.34							1.0
GRTLGBZ		377	271	IP		952	22.90	-0.25							1.0
LKGWBBZ		477	231	IP		952	28.93	-0.39							1.0
MAKGRBZ		485	181	IP		952	29.57	-0.33							1.0

**April 1 2020 Hour: 11: 7 50.4 Lat: 25.50S Lon: 30.45E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		445	316	IP		11 8	51.79	0.63							1.0
MREMIBN		445	316	IS		11 9	37.70	1.58							1.0
MREMIBE		445	316	IAML		11 9	57.60			22	0.4				
LPHEPBZ		522	296	IP		11 8	59.65	-0.80							1.0
LPHEPBN		522	296	IS		11 9	50.97	-1.32							1.0
LPHEPBN		522	296	IAML		1110	13.72			6	0.6				
MAKGRBZ		568	265	IP		11 9	6.73	0.64							1.0
BROLNBZ		581	326	IP		11 9	6.73	-0.99							1.0
BROLNBE		581	326	IS		1110	4.93	-0.01							1.0
BROLNBN		581	326	IAML		1110	31.10			5	0.7				
KDWANBZ		632	291	IP		11 9	14.59	0.80							1.0
KDWANBE		632	291	IAML		1110	43.69			16	0.6				
SOOWABZ		697	321	IP		11 9	21.28	-0.43							1.0
SOOWABE		697	321	IS		1110	29.18	-0.11							1.0
SOOWABE		697	321	IAML		1111	6.68			155	0.7				

**April 1 2020 Hour: 17:29 22.3 Lat: 16.26S Lon: 28.01E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.0ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZBZ		348	240	IP		1730	10.23	-0.87							1.0
KSANEBN		348	240	IAML		1731	31.21			72	0.3				
SOOWABZ		513	201	IP		1730	30.51	-0.78							1.0
BROLNBZ		541	188	IP		1730	35.14	0.46							1.0
BROLNBE		541	188	IS		1731	27.50	-0.74							1.0
BROLNBE		541	188	IAML		1731	47.23			69	0.4				
KHWEEBZ		685	203	IP		1730	52.02	-0.17							1.0
MREMIBZ		701	185	IP		1730	53.29	-0.84							1.0
LPHEPBZ		818	196	IP		1731	8.97	1.04							1.0
KDWANBZ		863	203	IP		1731	13.97	0.76							1.0
KDWANBN		863	203	IS		1732	35.83	0.56							1.0
KDWANBE		863	203	IAML		1733	2.23			22	0.5				
KGCAEBZ		951	219	IP		1731	24.11	0.58							1.0



**April 1 2020 Hour: 22:17 23.5 Lat: 9.91S Lon: 43.76E D: 0.0 Ag: BGS Regional**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	2151	233	IP			2221	49.19	-1.33							0.9
BROLNBE	2151	233	IS			2225	29.50	-0.13							1.0
BROLNBE	2151	233	IAML			2226	32.10		58	0.7					
KSANEBZ	2189	244	IP			2221	55.05	0.70							1.0
SOOWABZ	2219	236	IP			2221	56.69	-0.59							1.0
MREMIBZ	2233	229	IP			2221	58.83	0.23							1.0
KHWEEBZ	2366	234	IP			2222	12.04	0.45							1.0
LPHEPBZ	2417	230	IP			2222	16.55	0.09							1.0
KDWANBZ	2519	231	IP			2222	26.69	0.38							1.0
KDWANBE	2519	231	IS			2226	37.23	0.29							1.0
KDWANBN	2519	231	IAML			2228	16.18		68	0.9					
MAKGRBZ	2664	226	IP			2222	39.79	0.17							1.0
KGCAEBZ	2706	235	IP			2222	43.13	0.12							1.0
GRTLGBZ	2724	240	IP			2222	44.12	-0.40							1.0
GRTLGBN	2724	240	IS			2227	7.16	-0.10							1.0
GRTLGBE	2724	240	IAML			2229	12.59		12	0.8					

**April 2 2020 Hour: 10:38 20.8 Lat: 24.72S Lon: 28.09E D: 0.7 Ag: BGS Local**  
**Magnitudes: 2.8ML BGS Rms: 0.3 secs**

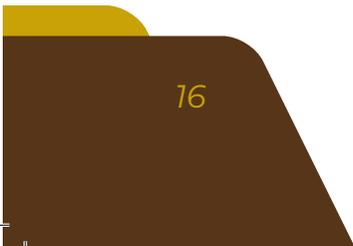
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	247	344	IP			1038	57.38	0.49							1.0
LPHEPBZ	272	303	IP			1039	0.20	0.16							1.0
MAKGRBZ	353	249	EP			1039	9.59	-0.50							1.0
MAKGRBN	353	249	ES			1039	46.84	0.26							1.0
MAKGRBN	353	249	IAML			1040	2.74		186	0.4					
KDWANBZ	379	292	EP			1039	12.94	-0.38							1.0
KDWANBN	379	292	ES			1039	52.52	0.31							1.0
KDWANBE	379	292	IAML			1040	25.34		33	0.4					
BROLNBZ	408	349	EP			1039	17.17	0.23							1.0
BROLNBE	408	349	ES			1039	58.21	-0.30							1.0
BROLNBE	408	349	IAML			1040	30.78		35	0.5					
KHWEEBZ	409	318	IP			1039	17.06	0.00							1.0
KHWEEBN	409	318	ES			1039	58.44	-0.27							1.0
KHWEEBN	409	318	IAML			1040	39.85		89	0.5					

**April 2 2020 Hour: 10:38 10.1 Lat: 25.31S Lon: 29.11E D: 0.0 Ag: BGS Regional**  
**Magnitudes: 2.8ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	348	331	IP			1038	59.15	0.29							1.0
MREMIBE	348	331	IS			1039	34.78	-0.14							1.0
MAKGRBZ	436	262	IP			1039	10.47	0.60							1.0
MAKGRBN	436	262	IS			1039	53.86	-0.22							1.0
KDWANBZ	499	294	IP			1039	17.66	0.15							1.0
KDWANBN	499	294	IAML			1040	24.71		37	0.6					
BROLNBZ	501	338	IP			1039	17.87	0.21							1.0
BROLNBE	501	338	IS			1040	8.24	0.60							1.0
BROLNBN	501	338	IAML			1040	11.31		19	0.6					
KHWEEBZ	528	314	IP			1039	20.39	-0.56							1.0
KHWEEBN	528	314	IAML			1040	39.64		90	0.4					
SOOWABZ	604	330	IP			1039	29.14	-1.00							1.0
LKGWBBZ	809	278	IP			1039	54.77	0.06							1.0

**April 2 2020 Hour: 10:55 12.7 Lat: 21.31S Lon: 25.36E D: 0.0F Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.3 secs Type: E**  
**Earthquake was felt**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ	71	173	IP			1055	23.72	-0.33							1.0
KHWEEBN	71	173	IAML			1055	51.73		520	0.9					
SOOWABZ	122	47	EP			1055	31.63	-0.70							1.0
SOOWABE	122	47	IAML			1055	52.04		107	0.3					



BROLNBZ	206	84	EP	1055	43.97	0.12											1.0
BROLNBN	206	84	ES	1056	7.63	0.70											1.0
BROLNBN	206	84	IAML	1056	10.53				54	0.8							
LPHEPBZ	233	167	EP	1055	47.14	0.03											1.0
KDWANBZ	240	197	EP	1055	48.16	0.16											1.0
KDWANBN	240	197	ES	1056	14.08	-0.08											1.0
KDWANBN	240	197	IAML	1056	23.47				40	0.5							
MREMIBZ	257	123	EP	1055	50.13	0.06											1.0
MREMIBE	257	123	ES	1056	17.51	-0.26											1.0
MREMIBE	257	123	IAML	1056	24.42				99	0.3							
KGCAEBZ	367	242	EP	1056	3.97	0.14											1.0
KOOLEBZ	564	250	EP	1056	28.07	0.17											1.0

**April 2 2020 Hour: 10:55 11.1 Lat: 21.21S Lon: 25.26E D: 3.1 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		84	167	IP		1055	23.76	-0.97							1.0
KHWEEBN		84	167	IAML		1055	43.46			3435	0.3				
SOOWABZ		122	55	IP		1055	31.36	0.48							1.0
BROLNBZ		216	87	IP		1055	43.84	0.70							1.0
BROLNBE		216	87	IS		1056	5.33	-1.51							1.0
BROLNBN		216	87	IAML		1056	10.56			55	0.8				
LPHEPBZ		247	166	IP		1055	47.44	0.44							1.0
LPHEPBN		247	166	IAML		1056	25.16			11	0.2				
KDWANBZ		249	194	IP		1055	47.45	0.21							1.0
KDWANBE		249	194	IS		1056	14.42	0.46							1.0
KDWANBN		249	194	IAML		1056	23.49			40	0.3				
MREMIBZ		272	124	IP		1055	51.36	1.26							1.0
MREMIBE		272	124	IAML		1056	24.13			100	0.3				
LKGWBBZ		526	231	IP		1056	20.29	-1.08							1.0
LKGWBBN		526	231	IAML		1057	35.51			18	0.8				

**April 2 2020 Hour: 15:31 15.3 Lat: 17.93S Lon: 21.59E D:239.3 Ag: BGS Local**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		379	88	IP		1532	10.38	0.15							1.0
KSANEBN		379	88	IS		1532	50.40	-0.50							1.0
SOOWABZ		567	122	IP		1532	30.73	0.41							1.0
SOOWABE		567	122	IS		1533	26.24	0.38							1.0
KHWEEBZ		601	138	IP		1532	34.18	0.15							1.0
KHWEEBE		601	138	IS		1533	32.91	0.60							1.0
BROLNBZ		698	121	IP		1532	45.00	0.10							1.0
MREMIBZ		799	131	IP		1532	56.75	0.37							1.0
MREMIBN		799	131	IS		1534	10.38	-0.82							1.0
MAKGRBZ		934	160	IP		1533	11.02	-0.83							1.0

**April 3 2020 Hour: 9:28 38.6 Lat: 23.88S Lon: 15.85E D:269.4 Ag: BGS Regional**  
**Magnitudes: 2.9ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ		455	78	IP		929	42.62	-0.43							1.0
KOOLEBN		455	78	IS		930	30.70	-0.06							1.0
LKGWBBZ		547	94	IP		929	53.15	0.43							1.0
LKGWBBN		547	94	IS		930	47.69	0.09							1.0
GRTLGBZ		618	64	IP		930	0.91	0.42							1.0
GRTLGBE		618	64	IAML		931	43.75			32	0.2				
KGCAEBZ		660	81	IP		930	4.82	-0.24							1.0
KGCAEBE		660	81	IAML		931	40.35			21	0.3				
KDWANBZ		900	88	IP		930	31.94	-0.20							1.0
KDWANBE		900	88	IAML		932	43.90			11	0.6				



**April 3 2020 Hour: 11:44 44.0 Lat: 23.62S Lon: 27.51E D: 0.0 Ag: BGS Regional**  
**Magnitudes: 2.3ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		116	357	EP		1145	2.32	-0.47							1.0
LPHEPBZ		171	279	EP		1145	10.77	-0.03							1.0
LPHEPBN		171	279	ES		1145	30.73	0.14							1.0
LPHEPBE		171	279	IAML		1145	36.96		33	0.4					1.0
BROLNBZ		279	356	EP		1145	24.76	0.46							1.0
BROLNBE		279	356	ES		1145	54.33	0.25							1.0
BROLNBN		279	356	IAML		1146	10.69		6	0.3					1.0
KHWEEBZ		281	311	EP		1145	24.37	-0.15							1.0
KHWEEBN		281	311	ES		1145	54.61	0.14							1.0
KHWEEBE		281	311	IAML		1146	10.06		114	0.3					1.0
KDWANBZ		292	275	EP		1145	25.58	-0.29							1.0
KDWANBN		292	275	IAML		1146	14.93		122	0.3					1.0
MAKGRBZ		366	228	EP		1145	35.22	0.13							1.0
MAKGRBN		366	228	ES		1146	13.06	0.19							1.0
MAKGRBN		366	228	IAML		1146	27.77		23	0.3					1.0
KGCAEBZ		549	278	EP		1145	57.09	-0.37							1.0

**April 3 2020 Hour: 11:44 46.4 Lat: 23.50S Lon: 27.34E D: 0.9 Ag: BGS Local**  
**Magnitudes: 2.1ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		104	6	IP		1145	2.20	-0.98							1.0
MREMIBE		104	6	IAML		1145	24.60		76	0.3					1.0
LPHEPBZ		152	276	IP		1145	11.29	0.54							1.0
LPHEPBN		152	276	IAML		1145	34.94		21	0.3					1.0
KHWEEBZ		260	311	IP		1145	25.12	0.97							1.0
KHWEEBE		260	311	IS		1145	51.50	-0.57							1.0
KHWEEBN		260	311	IAML		1146	2.38		119	0.3					1.0
BROLNBZ		266	360	IP		1145	25.33	0.41							1.0
BROLNBE		266	360	IS		1145	53.44	0.02							1.0
BROLNBN		266	360	IAML		1146	12.79		6	0.3					1.0
KDWANBZ		274	272	IP		1145	26.02	0.11							1.0
KDWANBN		274	272	IAML		1146	14.95		12	0.3					1.0
MAKGRBZ		363	225	IP		1145	37.20	0.29							1.0
MAKGRBE		363	225	IS		1146	13.48	-0.80							1.0
MAKGRBN		363	225	IAML		1146	27.74		23	0.4					1.0

**April 3 2020 Hour: 22:49 46.8 Lat: 61.45S Lon: 39.79W D: 0.2 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ		6195	75	IP		2259	25.47	-0.25							1.0
KGCAEBZ		6313	77	IP		2259	33.40	0.15							1.0
KDWANBZ		6391	79	IP		2259	38.19	-0.02							1.0
GRTLGBZ		6404	75	IP		2259	39.27	0.18							1.0
LPHEPBZ		6455	80	IP		2259	42.14	-0.17							1.0
MREMIBZ		6614	81	IP		2259	52.79	0.53							1.0
SOOWABZ		6740	79	IP		23	0	0.40	0.31						1.0
BROLNBZ		6748	80	IP		2259	59.83	-0.74							1.0

**April 4 2020 Hour: 1:52 35.8 Lat: 56.14S Lon: 28.81W D: 0.6 Ag: BSN Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHPENBZ		5338	72	IP		2	1	16.98	0.01						1.0
KOOLEBZ		5407	68	IP		2	1	21.95	0.16						1.0
MAKGRBZ		5424	75	IP		2	1	22.78	-0.18						1.0
SKOMABZ		5488	73	IP		2	1	27.09	-0.25						1.0
KGCAEBZ		5536	70	IP		2	1	30.74	0.05						1.0
GRTLGBZ		5615	68	IP		2	1	35.88	-0.21						1.0
LPHEPBZ		5706	74	IP		2	1	43.01	0.78						1.0
KHWEEBZ		5809	72	IP		2	1	48.98	-0.20						1.0
SOOWABZ		5980	72	IP		2	2	0.91	0.36						1.0



BROLNBZ 5998 73 IP 2 2 1.24-0.49 1.0

**April 5 2020 Hour: 5:32 41.5 Lat: 26.27S Lon: 28.27E D: 12.0 Ag: BGS Regional**  
**Magnitudes: 2.2ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		351	278	EP		533	28.97	-0.44							1.0
MAKGRBN		351	278	ES		534	5.08	0.19							1.0
MAKGRBN		351	278	IAML		534	16.60		27	0.5					
LPHEPBZ		404	322	EP		533	35.63	-0.30							1.0
KDWANBZ		485	310	EP		533	46.63	0.76							1.0
KDWANBN		485	310	ES		534	33.32	-0.21							1.0
KDWANBN		485	310	IAML		534	52.10		6	0.3					

**April 5 2020 Hour: 11:47 29.6 Lat: 23.35S Lon: 27.26E D: 0.0 Ag: BGS Local**  
**Magnitudes: 1.5ML BGS Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		89	12	IP		1147	42.47	-1.45							1.0
MREMIBE		89	12	IS		1147	54.83	0.30							1.0
MREMIBN		89	12	IAML		1148	2.39		20	0.3					
LPHEPBZ		143	269	IP		1147	51.03	-1.67							1.0
LPHEPBN		143	269	IS		1148	10.11	0.32							1.0
LPHEPBN		143	269	IAML		1148	15.27		7	0.4					
BROLNBZ		250	2	IP		1148	6.36	0.21							1.0
BROLNBE		250	2	IS		1148	33.85	0.64							1.0
BROLNBE		250	2	IAML		1148	43.41		6	0.3					
SOOWABZ		327	341	IP		1148	16.62	0.84							1.0
MAKGRBZ		369	222	IP		1148	21.14	0.13							1.0
MAKGRBN		369	222	IS		1148	59.73	0.68							1.0
MAKGRBN		369	222	IAML		1149	8.06		5	0.4					

**April 5 2020 Hour: 17:56 20.4 Lat: 24.75S Lon: 27.44E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.1ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		222	313	EP		1756	53.06	-0.41							1.0
LPHEPBN		222	313	ES		1757	17.95	-0.00							1.0
LPHEPBN		222	313	IAML		1757	22.21		10	0.2					
MREMIBZ		241	0	EP		1756	55.64	-0.21							1.0
MAKGRBZ		291	245	EP		1757	1.62	-0.41							1.0
MAKGRBN		291	245	ES		1757	33.26	0.41							1.0
MAKGRBE		291	245	IAML		1757	37.00		60	0.5					
BROLNBZ		404	358	EP		1757	16.71	0.62							1.0

**April 7 2020 Hour: 10:37 52.3 Lat: 26.06S Lon: 30.02E D: 52.5 Ag: BGS Local**  
**Magnitudes: 2.9ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		467	325	IP		1038	53.22	0.89							1.0
MREMIBN		467	325	IS		1039	36.63	-0.12							1.0
MREMIBE		467	325	IAML		1039	54.20		79	0.3					
MAKGRBZ		523	272	IP		1038	59.46	0.26							1.0
MAKGRBN		523	272	IS		1039	47.94	-0.77							1.0
MAKGRBE		523	272	IAML		1039	58.33		53	0.5					
BROLNBZ		614	333	IP		1039	8.79	-1.30							1.0
BROLNBE		614	333	IS		1040	6.88	-0.78							1.0
BROLNBE		614	333	IAML		1040	37.89		15	0.6					
KHWEEBZ		651	314	IP		1039	15.16	0.71							1.0
KHWEEBN		651	314	IS		1040	16.35	1.11							1.0
KHWEEBN		651	314	IAML		1040	41.99		49	0.4					



**April 7 2020 Hour: 14:37 58.7 Lat: 36.23S Lon: 43.48E D: 0.0 Ag: BGS Regional**  
**Rms: 0.4 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	2118	298	IP		1442	22.86	0.24							1.0
MAKGRBN	2118	298	IS		1445	58.08	-0.27							1.0
MAKGRBN	2118	298	IAML		1446	31.21			355	0.4				
LPHEPBZ	2214	305	IP		1442	32.08	0.02							1.0
LPHEPBN	2214	305	IS		1446	17.73	-0.48							1.0
LPHEPBN	2214	305	IAML		1446	41.83			34	0.5				
BROLNBZ	2295	313	IP		1442	39.61	-0.36							1.0
BROLNBE	2295	313	IS		1446	32.86	0.11							1.0
BROLNBE	2295	313	IAML		1447	12.91			39	0.4				
KDWANBZ	2302	303	IP		1442	41.11	0.44							1.0
KGCAEBZ	2529	300	IP		1443	2.01	-0.56							1.0
KGCAEBN	2529	300	IS		1447	14.98	0.87							1.0
KGCAEBE	2529	300	IAML		1448	19.48			35	0.3				

**April 7 2020 Hour: 14:44 22.7 Lat: 26.41S Lon: 30.07E D: 62.5 Ag: BGS Regional**  
**Magnitudes: 3.3ML BGS Rms: 0.3 secs**

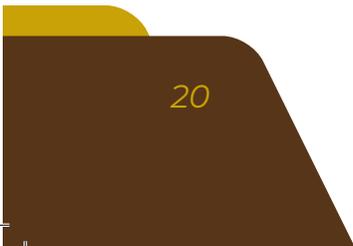
STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	502	328	IP		1445	27.25	0.30							1.0
MAKGRBZ	531	276	EP		1445	30.53	0.14							1.0
MAKGRBN	531	276	ES		1446	20.51	0.03							1.0
MAKGRBN	531	276	IAML		1446	31.03			362	0.4				
LPHEPBZ	543	308	EP		1445	32.27	0.47							1.0
KDWANBZ	641	300	EP		1445	43.18	-0.17							1.0
BROLNBZ	651	334	EP		1445	44.28	-0.25							1.0
BROLNBE	651	334	ES		1446	45.05	-0.03							1.0
BROLNBN	651	334	IAML		1447	16.12			21	0.9				
KGCAEBZ	888	295	EP		1446	11.88	-0.50							1.0
KGCAEBN	888	295	ES		1447	33.56	0.01							1.0
KGCAEBN	888	295	IAML		1448	15.61			40	0.5				

**April 7 2020 Hour: 16:13 37.7 Lat: 54.46S Lon: 20.41W D:642.9 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	4846	60	IP		1620	48.16	0.25							1.0
MAKGRBZ	4859	68	IP		1620	48.37	-0.45							1.0
SKOMABZ	4923	66	IP		1620	53.69	0.49							1.0
KGCAEBZ	4973	62	IP		1620	56.46	-0.20							1.0
GRTLGBZ	5054	60	IP		1621	1.99	-0.21							1.0
LPHEPBZ	5141	67	IP		1621	8.59	0.52							1.0
KHWEEBZ	5244	65	IP		1621	14.55	-0.50							1.0
MREMIBZ	5307	68	IP		1621	19.66	0.44							1.0
SOOWABZ	5416	65	IP		1621	26.05	-0.39							1.0
BROLNBZ	5433	66	IP		1621	27.32	-0.27							1.0
KSANEZB	5609	62	IP		1621	39.46	0.34							1.0

**April 7 2020 Hour: 16:13 28.2 Lat: 55.25S Lon: 22.72W D:680.4 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	5018	62	IP		1620	48.21	-0.00							1.0
KGCAEBZ	5145	64	IP		1620	56.67	-0.12							1.0
GRTLGBZ	5226	62	IP		1621	2.32	0.07							1.0
MREMIBZ	5477	69	IP		1621	19.25	0.42							1.0
SOOWABZ	5587	67	IP		1621	26.10	0.11							1.0
BROLNBZ	5604	68	IP		1621	26.50	-0.59							1.0
KSANEZB	5781	64	IP		1621	38.59	0.10							1.0



**April 8 2020 Hour: 10: 0 53.9 Lat: 13.34N Lon: 168.47W D: 1.6 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	18065	237	IP			1020	56.92	0.25							1.0
MAKGRBZ	18076	223	IP			1020	56.54	-0.28							1.0
BROLNBZ	18148	241	IP			1020	57.14	-0.30							1.0
KDWANBZ	18258	229	IP			1020	58.99	0.60							1.0
SOOWABZ	18278	241	IP			1020	58.45	-0.09							1.0
KGCAEBZ	18491	226	IP			1020	59.94	-0.28							1.0
GRTLGBZ	18675	228	IP			1021	1.61	0.11							1.0

**April 8 2020 Hour: 11:47 49.8 Lat: 23.62S Lon: 27.45E D: 0.0 Ag: BGS Local**  
**Magnitudes: 1.9ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	116	360	EP			1148	9.02	0.48							1.0
MREMIBE	116	360	ES			1148	22.08	-0.32							1.0
MREMIBN	116	360	IAML			1148	29.93			59	0.3				
LPHEPBZ	165	280	EP			1148	15.54	-0.28							1.0
LPHEPBN	165	280	ES			1148	35.99	0.92							1.0
LPHEPBN	165	280	IAML			1148	41.33			25	0.4				
BROLNBZ	279	358	EP			1148	30.12	0.09							1.0
BROLNBN	279	358	IAML			1149	9.25			3	0.3				
KDWANBZ	286	275	EP			1148	30.18	-0.70							1.0
KDWANBE	286	275	ES			1149	0.57	-0.70							1.0
KDWANBE	286	275	IAML			1149	21.86			16	0.7				
MAKGRBZ	362	227	EP			1148	39.91	-0.39							1.0
MAKGRBN	362	227	ES			1149	17.73	0.07							1.0
MAKGRBN	362	227	IAML			1149	34.53			25	0.4				
SKOMABZ	371	254	EP			1148	42.28	0.83							1.0

**April 9 2020 Hour: 11:41 34.5 Lat: 23.44S Lon: 27.34E D: 93.9 Ag: BGS Local**  
**Magnitudes: 1.9ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	97	6	IP			1141	51.78	-0.50							1.0
MREMIBE	97	6	IS			1142	5.38	-0.07							1.0
MREMIBN	97	6	IAML			1142	14.48			34	0.3				
LPHEPBZ	152	273	IP			1141	58.41	0.61							1.0
LPHEPBE	152	273	IS			1142	15.38	0.33							1.0
LPHEPBN	152	273	IAML			1142	23.88			29	0.4				
BROLNBZ	259	360	IP			1142	10.24	0.33							1.0
BROLNBE	259	360	IS			1142	36.19	0.07							1.0
BROLNBE	259	360	IAML			1142	55.20			9	0.6				
KDWANBZ	274	271	IP			1142	11.36	-0.27							1.0
KDWANBN	274	271	IS			1142	38.61	-0.51							1.0
KDWANBE	274	271	IAML			1143	4.91			21	0.7				

**April 10 2020 Hour: 12:22 14.9 Lat: 18.33S Lon: 26.58E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZBZ	161	291	EP			1222	40.05	-0.39							1.0
KSANEZBE	161	291	ES			1222	59.94	0.57							1.0
KSANEZBE	161	291	IAML			1223	1.61			148	0.3				
SOOWABZ	251	189	EP			1222	51.41	-0.12							1.0
SOOWABE	251	189	ES			1223	18.48	-0.18							1.0
SOOWABE	251	189	IAML			1223	21.16			141	0.5				
BROLNBZ	317	166	EP			1222	59.99	0.20							1.0
BROLNBE	317	166	ES			1223	33.62	0.58							1.0
BROLNBN	317	166	IAML			1223	38.23			12	0.6				
KHWEEBZ	418	196	EP			1223	12.65	0.31							1.0
MREMIBZ	478	169	EP			1223	19.51	-0.17							1.0
MREMIBN	478	169	ES			1224	7.74	0.09							1.0
MREMIBN	478	169	IAML			1224	24.17			73	0.4				
KDWANBZ	594	199	EP			1223	32.86	-0.88							1.0



**April 10 2020 Hour: 16:38 15.1 Lat: 58.11S Lon: 24.55W D:116.5 Ag: BSN Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		5248	69	EP		1646	36.34	-0.10							1.0
KOOLEBZ		5266	62	EP		1646	37.68	-0.05							1.0
SKOMABZ		5321	67	EP		1646	41.41	-0.10							1.0
KGCAEBZ		5385	64	EP		1646	46.04	0.09							1.0
KDWANBZ		5466	67	EP		1646	51.70	0.13							1.0
GRTLGBZ		5475	62	EP		1646	52.15	0.00							1.0
LPHEPBZ		5533	68	EP		1646	56.33	0.18							1.0
KHWEEBZ		5644	67	EP		1647	3.49	-0.16							1.0
MREMIBZ		5694	69	EP		1647	7.36	0.31							1.0
SOOWABZ		5816	66	EP		1647	15.27	0.10							1.0
BROLNBZ		5826	68	EP		1647	15.42	-0.45							1.0
KSANEZBZ		6022	64	EP		1647	28.84	0.05							1.0

**April 11 2020 Hour: 7:40 35.4 Lat: 18.69S Lon: 24.22E D: 2.1 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZBZ		140	45	EP		740	58.20	0.35							1.0
KSANEZBN		140	45	ES		741	14.24	-0.20							1.0
KSANEZBN		140	45	IAML		741	20.52			181	0.2				
SOOWABZ		295	135	EP		741	16.85	-0.50							1.0
KHWEEBZ		383	161	EP		741	28.41	0.11							1.0
KHWEEZBN		383	161	ES		742	7.56	0.14							1.0
KHWEEZBN		383	161	IAML		742	15.86			64	0.3				
BROLNBZ		421	130	EP		741	33.68	0.61							1.0
BROLNBZ		421	130	ES		742	15.82	0.09							1.0
BROLNBZ		421	130	IAML		742	28.59			12	0.3				
MREMIBZ		545	143	EP		741	47.53	-0.61							1.0

**April 11 2020 Hour: 11:40 31.7 Lat: 23.61S Lon: 27.69E D: 15.9 Ag: BGS Local**  
**Magnitudes: 2.0ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		118	348	EP		1140	51.04	0.72							1.0
MREMIBE		118	348	ES		1141	4.57	0.45							1.0
MREMIBE		118	348	IAML		1141	10.48			35	0.5				
LPHEPBZ		189	278	EP		1140	59.24	0.15							1.0
LPHEPBZ		189	278	ES		1141	19.43	0.05							1.0
LPHEPBZ		189	278	IAML		1141	24.83			22	0.7				
BROLNBZ		281	352	EP		1141	9.95	-0.57							1.0
KHWEEBZ		295	308	EP		1141	12.31	0.02							1.0
KHWEEBE		295	308	IS		1141	41.40	-0.96							1.0
KHWEEBE		295	308	IAML		1141	59.62			30	0.3				
KDWANBZ		310	274	EP		1141	13.54	-0.64							1.0
KDWANBE		310	274	IS		1141	46.40	0.77							1.0
KDWANBE		310	274	IAML		1142	3.98			11	0.5				

**April 11 2020 Hour: 15:14 44.4 Lat: 25.80S Lon: 28.70E D:301.4 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		380	340	EP		1515	43.50	0.11							1.0
MAKGRBZ		391	269	EP		1515	44.86	0.31							1.0
MAKGRBN		391	269	ES		1516	28.77	-0.31							1.0
MAKGRBN		391	269	IAML		1516	38.73			93	0.4				
LPHEPBZ		395	312	EP		1515	45.24	0.41							1.0
LPHEPBZ		395	312	IAML		1516	45.59			7	0.4				
BROLNBZ		539	345	EP		1515	58.59	-0.72							1.0
BROLNBE		539	345	ES		1516	54.97	0.21							1.0
BROLNBE		539	345	IAML		1517	24.44			9	0.4				



**April 12 2020 Hour: 6:57 47.0 Lat: 37.29S Lon: 77.17E D: 0.0 Ag: BSN Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		5006	275	EP		7	6	4.30-0.23							1.0
MAKGRBZ		5065	269	EP		7	6	8.63-0.15							1.0
BROLNBZ		5100	276	EP		7	6	11.06-0.24							1.0
LPHEPBZ		5102	273	EP		7	6	11.23-0.18							1.0
KDWANBZ		5207	272	EP		7	6	19.02 0.15							1.0
SKOMABZ		5210	270	EP		7	6	19.19 0.13							1.0
SOOWABZ		5230	276	EP		7	6	21.27 0.79							1.0
PHPENBZ		5255	268	EP		7	6	22.31 0.12							1.0
KGCAEBZ		5454	271	EP		7	6	36.16 0.06							1.0
KSANEBZ		5490	278	EP		7	6	38.41-0.19							1.0
KOOLEBZ		5625	269	EP		7	6	47.76-0.06							1.0
GRTLGBZ		5626	272	EP		7	6	47.76-0.16							1.0

**April 13 2020 Hour: 15:21 5.9 Lat: 26.11S Lon: 29.76E D: 1.7 Ag: BGS Local**  
**Magnitudes: 3.4ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		457	329	EP		1522		7.64-0.32							1.0
MREMIBN		457	329	ES		1522		54.07 0.21							1.0
MREMIBE		457	329	IAML		1523		14.09		235	0.4				
MAKGRBZ		497	273	EP		1522		13.30 0.39							1.0
MAKGRBE		497	273	ES		1523		2.18-0.29							1.0
MAKGRBN		497	273	IAML		1523		12.69		434	0.5				
LPHEPBZ		498	307	EP		1522		12.53-0.43							1.0
LPHEPBE		498	307	IS		1523		1.93-0.63							1.0
KDWANBZ		598	299	EP		1522		26.00 0.97							1.0
KDWANBN		598	299	ES		1523		23.82 0.26							1.0
KDWANBE		598	299	IAML		1523		41.73		62	0.7				
BROLNBZ		607	335	EP		1522		25.53-0.70							1.0
BROLNBN		607	335	ES		1523		26.09 0.44							1.0
BROLNBE		607	335	IAML		1523		54.31		43	0.4				
SKOMABZ		612	286	EP		1522		26.70-0.12							1.0
KHWEEBZ		636	316	EP		1522		29.92 0.20							1.0
LPHEPBN				IAML		1523		23.03		37	0.5				

**April 13 2020 Hour: 23:16 53.5 Lat: 22.61S Lon: 25.12E D: 3.7 Ag: BGS Local**  
**Magnitudes: 2.8ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		81	25	EP		2317		6.35-0.17							1.0
KHWEEBN		81	25	ES		2317		15.78-0.40							1.0
KHWEEBE		81	25	IAML		2317		16.67		2218	0.3				
KDWANBZ		98	209	EP		2317		9.22 0.00							1.0
KDWANBE		98	209	ES		2317		21.11 0.24							1.0
KDWANBE		98	209	IAML		2317		22.05		309	0.3				
LPHEPBZ		113	138	EP		2317		11.55-0.12							1.0
LPHEPBE		113	138	ES		2317		25.44 0.31							1.0
LPHEPBE		113	138	IAML		2317		31.23		49	0.2				
MREMIBZ		239	89	EP		2317		28.55 0.21							1.0
MREMIBN		239	89	ES		2317		54.80 0.66							1.0
MREMIBE		239	89	IAML		2318		8.39		212	0.3				
SOOWABZ		253	27	EP		2317		31.06 0.95							1.0
BROLNBZ		283	54	EP		2317		33.22-0.61							1.0
BROLNBN		283	54	ES		2318		3.37-0.33							1.0
BROLNBE		283	54	IAML		2318		14.04		38	0.4				
KGCAEBZ		301	264	EP		2317		36.61 0.63							1.0
MAKGRBZ		356	185	EP		2317		42.06-0.83							1.0
MAKGRBE		356	185	IS		2318		18.92-0.54							1.0
MAKGRBE		356	185	IAML		2318		36.54		139	0.5				



**April 14 2020 Hour: 5:28 42.1 Lat: 22.67S Lon: 25.26E D: 0.0 Ag: BGS Local**  
**Magnitudes: 1.8ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		83	13	EP		528	55.36	-0.07							1.0
KHWEEBE		83	13	ES		529	5.00	-0.31							1.0
KHWEEBE		83	13	IAML		529	5.94		162	0.3					1.0
LPHEPBZ		98	141	EP		528	57.81	-0.01							1.0
LPHEPBN		98	141	ES		529	9.49	0.02							1.0
LPHEPBN		98	141	IAML		529	15.99		11	0.3					1.0
KDWANBZ		100	218	EP		528	58.03	-0.13							1.0
KDWANBE		100	218	ES		529	10.12	0.06							1.0
KDWANBE		100	218	IAML		529	15.44		40	0.3					1.0
MREMIBZ		225	87	EP		529	14.62	-0.89							1.0
BROLNBZ		276	51	EP		529	23.20	1.31							1.0

**April 14 2020 Hour: 13:53 36.7 Lat: 25.26S Lon: 26.46E D: 33.3 Ag: BGS Local**  
**Magnitudes: 1.7ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		178	249	EP		1354	2.61	0.98							1.0
MAKGRBE		178	249	IS		1354	19.08	-1.01							1.0
MAKGRBE		178	249	IAML		1354	57.42		38	0.3					1.0
LPHEPBZ		218	344	EP		1354	6.48	-0.15							1.0
LPHEPBN		218	344	ES		1354	28.93	0.12							1.0
LPHEPBE		218	344	IAML		1354	54.37		4	0.9					1.0
SKOMABZ		268	287	EP		1354	13.03	0.18							1.0
SKOMABN		268	287	ES		1354	40.33	0.72							1.0
SKOMABE		268	287	IAML		1355	1.44		11	1.0					1.0
KDWANBZ		277	318	EP		1354	13.21	-0.67							1.0
KDWANBN		277	318	ES		1354	41.25	-0.17							1.0
KDWANBN		277	318	IAML		1355	23.85		6	1.0					1.0

**April 15 2020 Hour: 8: 6 55.5 Lat: 22.57S Lon: 25.14E D: 12.6 Ag: BGS Local**  
**Magnitudes: 3.1ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		76	24	EP		8 7	8.05	0.32							1.0
KHWEEBN		76	24	ES		8 7	16.82	0.04							1.0
KHWEEBE		76	24	IAML		8 7	18.44		4745	0.3					1.0
KDWANBZ		102	209	EP		8 7	11.37	-0.36							1.0
KDWANBE		102	209	ES		8 7	23.81	0.07							1.0
KDWANBE		102	209	IAML		8 7	27.83		580	0.3					1.0
LPHEPBZ		114	140	EP		8 7	13.51	-0.06							1.0
LPHEPBE		114	140	ES		8 7	27.08	0.15							1.0
LPHEPBE		114	140	IAML		8 7	32.55		238	0.2					1.0
MREMIBZ		237	90	EP		8 7	29.23	0.04							1.0
MREMIBE		237	90	ES		8 7	54.30	0.19							1.0
MREMIBN		237	90	IAML		8 8	9.37		680	0.3					1.0
SKOMABZ		248	210	EP		8 7	30.74	0.14							1.0
SKOMABE		248	210	ES		8 7	56.60	0.04							1.0
SKOMABE		248	210	IAML		8 8	7.98		132	0.3					1.0
BROLNBZ		279	55	EP		8 7	34.62	0.20							1.0
BROLNBN		279	55	ES		8 8	2.74	-0.48							1.0
BROLNBN		279	55	IAML		8 8	15.45		342	0.6					1.0
KGCAEBZ		303	264	EP		8 7	37.81	0.37							1.0
KGCAEBN		303	264	ES		8 8	9.03	0.55							1.0
KGCAEBE		303	264	IAML		8 8	23.63		123	0.4					1.0
MAKGRBZ		361	185	EP		8 7	44.47	-0.10							1.0
KOOLEBZ		510	264	EP		8 8	1.80	-1.08							1.0
KOOLEBN		510	264	ES		8 8	52.73	-0.01							1.0
KOOLEBN		510	264	IAML		8 9	27.81		51	0.5					1.0



**April 15 2020 Hour: 11:50 43.6 Lat: 24.70S Lon: 28.73E D: 73.7 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		270	331	IP		1151	20.02	0.00							1.0
BROLNBZ		423	340	IP		1151	38.99	0.60							1.0
BROLNBE		423	340	IS		1152	18.55	-0.35							1.0
BROLNBE		423	340	IAML		1152	24.65			7	0.4				
PHPENBZ		599	261	IP		1151	58.40	-0.60							1.0
PHPENBN		599	261	IS		1152	55.12	0.35							1.0
PHPENBN		599	261	IAML		1153	5.59			49	0.4				

**April 15 2020 Hour: 13:40 36.5 Lat: 7.15S Lon: 38.75E D: 0.0 Ag: BGS Local**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		1973	217	IP		1344	38.44	0.40							1.0
BROLNBN		1973	217	IS		1347	36.20	-0.55							1.0
BROLNBE		1973	217	IAML		1350	5.65			83	0.8				
SOOWABZ		2007	221	IP		1344	41.35	-0.67							0.9
SOOWABN		2007	221	IS		1347	44.27	0.59							0.9
SOOWABN		2007	221	IAML		1350	14.94			245	0.6				
MREMIBZ		2093	214	IP		1344	52.52	0.38							0.5
MREMIBN		2093	214	IS		1348	1.83	0.55							0.5
MREMIBN		2093	214	IAML		1350	29.77			227	0.8				
KHWEEBZ		2173	220	IP		1345	1.82	0.23							0.1
LPHEPBZ		2263	216	IP		1345	11.82	-0.33							0.0
LPHEPBE		2263	216	IS		1348	36.00	-0.10							0.0
LPHEPBN		2263	216	IAML		1351	18.81			48	0.7				
KDWANBZ		2345	218	IP		1345	22.19	0.42							0.0
GRTLGBZ		2456	228	IP		1345	34.15	-0.71							0.0
KGCAEBZ		2482	224	IP		1345	37.59	-0.36							0.0
KGCAEBN		2482	224	IS		1349	21.22	0.22							0.0
KGCAEBN		2482	224	IAML		1352	52.82			59	0.9				
SKOMABZ		2488	218	IP		1345	37.91	-0.68							0.0
SKOMABE		2488	218	IS		1349	22.56	0.45							0.0
SKOMABN		2488	218	IAML		1352	35.42			34	0.8				
MAKGRBZ		2542	214	IP		1345	44.66	-0.30							0.0
MAKGRBN		2542	214	IS		1349	32.90	-0.28							0.0
MAKGRBE		2542	214	IAML		1352	35.55			71	0.6				

**April 15 2020 Hour: 23:24 1.7 Lat: 9.57S Lon: 29.99E D: 80.5 Ag: BGS Local**  
**Magnitudes: 4.7ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZBZ		1050	209	IP		2326	10.45	0.51							1.0
KSANEZBE		1050	209	IS		2327	44.36	-0.46							1.0
KSANEZBN		1050	209	IAML		2329	2.56			438	0.8				
SOOWABZ		1282	198	IP		2326	37.12	-0.18							0.8
SOOWABN		1282	198	IS		2328	33.21	0.78							0.8
SOOWABE		1282	198	IAML		2330	3.17			471	0.6				
BROLNBZ		1307	192	IP		2326	40.22	-0.06							0.8
BROLNBE		1307	192	IS		2328	37.17	-0.45							0.8
BROLNBN		1307	192	IAML		2330	1.73			101	0.6				
KHWEEBZ		1453	199	IP		2326	56.82	-0.64							0.7
KHWEEBN		1453	199	IAML		2331	8.10			295	0.7				
LPHEPBZ		1589	196	IP		2327	12.92	-0.47							0.6
LPHEPBE		1589	196	IS		2329	35.27	0.05							0.6
LPHEPBN		1589	196	IAML		2331	26.10			43	0.8				
GRTLGBZ		1608	215	IP		2327	15.74	0.07							0.5
GRTLGBE		1608	215	IAML		2332	17.18			74	0.8				
KDWANBZ		1631	200	IP		2327	19.31	1.01							0.5
KDWANBN		1631	200	IS		2329	44.11	0.35							0.5
KDWANBN		1631	200	IAML		2331	36.63			75	0.6				
KGCAEBZ		1688	209	IP		2327	25.29	0.18							0.5
KGCAEBN		1688	209	IS		2329	55.08	-0.53							0.5

KGCAEBN	1688	209	IAML	2332	12.14				131	0.8			
SKOMABZ	1775	200	IP	2327	35.24-0.02								0.4
KOOLEBZ	1816	214	IP	2327	40.23 0.11								0.4
MAKGRBZ	1880	196	IP	2327	47.15-0.49								0.3
MAKGRBE	1880	196	IS	2330	34.50-0.31								0.3
MAKGRBN	1880	196	IAML	2333	0.09				63	0.5			
PHPENBZ	1916	202	IP	2327	52.28 0.45								0.3

**April 16 2020 Hour: 3:23 8.6 Lat: 21.80S Lon: 33.21E D: 30.9 Ag: BGS Local**  
**Magnitudes: 3.3ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		614	276	IP		324	26.01-1.00								1.0
BROLNBN		614	276	IS		325	25.52 0.51								1.0
BROLNBE		614	276	IAML		326	8.96			32	0.7				
SOOWABZ		738	279	IP		324	41.10-0.78								1.0
SOOWABE		738	279	IS		325	51.25 0.36								1.0
SOOWABN		738	279	IAML		326	40.83			128	0.8				
LPHEPBZ		775	256	IP		324	46.55 0.33								1.0
LPHEPBE		775	256	IS		325	57.79-0.64								1.0
LPHEPBE		775	256	IAML		326	53.59			15	0.8				
KHWEEBZ		802	267	IP		324	48.63-0.77								1.0
KHWEEBE		802	267	IS		326	4.68 0.72								1.0
KHWEEBN		802	267	IAML		327	5.86			125	0.4				
KDWANBZ		896	257	IP		325	1.01 0.57								1.0
KDWANBE		896	257	IS		326	22.96-0.21								1.0
KDWANBN		896	257	IAML		327	32.06			25	0.5				
MAKGRBZ		965	241	IP		325	9.40 0.84								1.0
MAKGRBE		965	241	IS		326	36.55-0.75								1.0
MAKGRBE		965	241	IAML		327	57.38			35	0.5				
SKOMABZ		996	251	IP		325	12.27 0.07								1.0
PHPENBZ		1132	247	IP		325	28.94 0.79								1.0

**April 16 2020 Hour: 3:49 0.3 Lat: 25.61S Lon: 26.26E D: 21.2 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		148	261	IP		349	22.99 0.80								1.0
LPHEPBZ		253	351	IP		349	35.20 0.00								1.0
SKOMABZ		264	297	IP		349	36.88 0.24								1.0
KDWANBZ		296	326	IP		349	39.87-0.68								1.0
KDWANBN		296	326	IS		350	10.79 0.46								1.0
KDWANBE		296	326	IAML		350	47.61			27	0.5				
PHPENBZ		342	272	IP		349	46.13-0.18								1.0
PHPENBN		342	272	IS		350	19.77-0.58								1.0
PHPENBE		342	272	IAML		351	2.28			67	0.4				
KHWEEBZ		415	348	IP		349	54.91-0.38								1.0
KHWEEBE		415	348	IS		350	36.11 0.13								1.0
KHWEEBE		415	348	IAML		351	12.53			83	0.3				
KGCAEBZ		513	306	IP		350	7.36 0.19								1.0

**April 16 2020 Hour: 5:12 29.4 Lat: 58.07S Lon: 26.11W D: 0.0 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKGWBBZ		5295	65	IP		521	8.21 0.64								1.0
MAKGRBZ		5333	70	IP		521	10.01-0.22								1.0
KOOLEBZ		5346	63	IP		521	10.67-0.50								1.0
SKOMABZ		5405	68	IP		521	15.33 0.12								1.0
KGCAEBZ		5466	65	IP		521	19.66 0.16								1.0
KDWANBZ		5550	68	IP		521	25.82 0.56								1.0
GRTLGBZ		5555	63	IP		521	25.15-0.43								1.0
LPHEPBZ		5618	70	IP		521	29.64-0.25								1.0
KHWEEBZ		5727	68	IP		521	37.13-0.19								1.0
SOOWABZ		5899	68	IP		521	49.11 0.29								1.0
BROLNBZ		5910	69	IP		521	49.11-0.47								1.0
KSANEBZ		6103	65	IP		522	2.59 0.31								1.0

**April 16 2020 Hour: 11:46 46.3 Lat: 19.82N Lon: 92.77E D:700.0 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	8437	241	IP			1157	24.69	0.15							1.0
KSANEBZ	8474	245	IP			1157	26.26	-0.08							1.0
MREMIBZ	8504	240	IP			1157	28.00	0.25							1.0
SOOWABZ	8513	242	IP			1157	28.00	-0.19							1.0
KHWEEBZ	8654	241	IP			1157	34.96	-0.05							1.0
LPHEPBZ	8689	240	IP			1157	36.70	0.05							1.0
KDWANBZ	8799	240	IP			1157	41.75	-0.07							1.0
MAKGRBZ	8910	238	IP			1157	46.98	-0.02							1.0
SKOMABZ	8922	240	IP			1157	47.67	0.14							1.0
KGCAEBZ	8997	242	IP			1157	50.46	-0.59							1.0
GRTLGBZ	9018	244	IP			1157	52.20	0.18							1.0
PHPENBZ	9067	239	IP			1157	53.94	-0.21							1.0
LKGWBBZ	9149	241	IP			1157	56.21	-1.69							0.0
KOOLEBZ	9190	242	IP			1158	0.21	0.44							1.0

**April 16 2020 Hour: 15:13 31.1 Lat: 26.28S Lon: 28.74E D:273.0 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	431	342	IP			1514	33.46	0.11							1.0
LPHEPBZ	435	317	IP			1514	33.21	-0.50							1.0
SKOMABZ	521	291	IP			1514	43.50	0.78							1.0
KDWANBZ	522	307	IP			1514	43.06	0.22							1.0
KDWANBN	522	307	IS			1515	35.41	-0.51							1.0
KDWANBN	522	307	IAML			1516	19.48			8	0.6				
BROLNBZ	591	346	IP			1514	49.49	-0.75							1.0
BROLNBE	591	346	IS			1515	49.45	0.65							1.0
BROLNBE	591	346	IAML			1516	15.46			7	0.6				

**April 16 2020 Hour: 21:23 1.5 Lat: 26.75S Lon: 26.85E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	230	297	IP			2123	36.08	0.40							1.0
SKOMABZ	384	310	IP			2123	53.84	-0.95							1.0
LPHEPBZ	389	345	IP			2123	55.41	0.02							1.0
LPHEPBZ	389	345	IS			2124	34.92	-0.31							1.0
LPHEPBN	389	345	IAML			2124	53.67			15	0.3				
PHPENBZ	424	289	IP			2124	0.36	0.60							1.0
KDWANBZ	434	329	IP			2124	1.70	0.67							1.0
KDWANBN	434	329	IS			2124	45.19	0.15							1.0
KDWANBE	434	329	IAML			2125	5.91			36	0.3				
MREMIBZ	467	8	IP			2124	5.06	0.03							1.0
KHWEEBZ	551	345	IP			2124	15.62	0.40							1.0
BROLNBZ	628	5	IP			2124	24.01	-0.52							1.0
BROLNBE	628	5	IS			2125	26.30	0.36							1.0
BROLNBE	628	5	IAML			2126	2.10			13	0.3				
KGCAEBZ	638	312	IP			2124	24.89	-0.85							1.0

**April 17 2020 Hour: 10:22 47.9 Lat: 25.80S Lon: 26.81E D: 9.7 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.1 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	201	269	IP			1023	17.62	0.15							1.0
MAKGRBE	201	269	IS			1023	39.29	-0.05							1.0
MAKGRBE	201	269	IAML			1024	0.82			64	0.5				
LPHEPBZ	286	340	IP			1023	27.93	-0.09							1.0
SKOMABZ	323	295	IP			1023	32.37	-0.18							1.0
KDWANBZ	345	320	IP			1023	35.42	0.12							1.0
KDWANBE	345	320	IS			1024	10.42	0.05							1.0
KDWANBN	345	320	IAML			1024	40.07			20	0.4				



**April 17 2020 Hour: 13:38 7.4 Lat: 25.55S Lon: 29.19E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		375	331	IP		1339	0.27	0.77							1.0
MREMIBN		375	331	IS		1339	37.26	-0.78							1.0
MREMIBN		375	331	IAML		1340	1.63			64	0.3				
MAKGRBZ		442	265	IP		1339	7.93	0.08							1.0
BROLNBZ		528	339	IP		1339	17.34	-0.94							1.0
BROLNBE		528	339	IS		1340	11.57	0.87							1.0
BROLNBE		528	339	IAML		1340	45.47			10	0.6				

**April 17 2020 Hour: 16:30 47.5 Lat: 24.28S Lon: 69.46E D: 0.0 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		4327	266	IP		1638	14.91	-0.09							1.0
LPHEPBZ		4425	262	IP		1638	22.37	-0.01							1.0
SOOWABZ		4453	266	IP		1638	24.85	0.36							1.0
MAKGRBZ		4488	258	IP		1638	26.84	-0.25							1.0
KHWEEBZ		4497	264	IP		1638	27.83	0.05							1.0
KDWANBZ		4545	262	IP		1638	31.56	0.23							1.0
SKOMABZ		4596	260	IP		1638	34.79	-0.30							1.0
KSANEZBZ		4640	270	IP		1638	38.03	-0.37							1.0
KGCAEBZ		4803	262	IP		1638	50.70	0.40							1.0
GRTLGBZ		4939	264	IP		1639	0.15	0.03							1.0
KOOLEBZ		5002	261	IP		1639	4.63	-0.04							1.0

**April 18 2020 Hour: 9:23 36.2 Lat: 23.65N Lon: 134.16E D: 15.0 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ12571		256	256	IP		942	12.27	-0.47							1.0
MREMIBZ12608		255	255	IP		942	13.10	-0.26							1.0
SOOWABZ12664		257	257	IP		942	14.18	-0.14							1.0
KSANEZBZ12675		260	260	IP		942	14.51	-0.02							1.0
KHWEEBZ12786		256	256	IP		942	16.00	-0.44							1.0
LPHEPBZ12789		254	254	IP		942	16.59	0.10							1.0
KDWANBZ12908		255	255	IP		942	18.74	0.21							1.0
MAKGRBZ12965		252	252	IP		942	19.58	0.04							1.0
SKOMABZ13013		254	254	IP		942	20.24	-0.09							1.0
KGCAEBZ13134		256	256	IP		942	22.90	0.45							1.0
PHPENBZ13145		253	253	IP		942	22.90	0.29							1.0
GRTLGBZ13188		258	258	IP		942	23.73	0.35							1.0
LKGWBBZ13268		255	255	IP		942	24.31	-0.44							1.0
KOOLEBZ13337		256	256	IP		942	26.39	0.42							1.0

**April 18 2020 Hour: 10:49 56.3 Lat: 25.67S Lon: 28.22E D: 61.3 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		343	267	IP		1050	40.84	-0.66							1.0
MAKGRBE		343	267	IS		1051	14.75	-0.16							1.0
MAKGRBE		343	267	IAML		1051	26.06			75	0.5				
LPHEPBZ		350	316	IP		1050	43.02	0.77							1.0
MREMIBZ		352	347	IP		1050	42.57	0.07							1.0
MREMIBE		352	347	IS		1051	16.05	-0.60							1.0
MREMIBE		352	347	IAML		1051	21.74			60	0.6				
KDWANBZ		441	304	IP		1050	53.16	-0.10							1.0
KDWANBN		441	304	IS		1051	35.88	0.51							1.0
KDWANBE		441	304	IAML		1051	54.37			20	0.6				
BROLNBZ		514	350	IP		1051	2.63	0.55							1.0
BROLNBE		514	350	IS		1051	50.33	-0.39							1.0
BROLNBN		514	350	IAML		1052	5.70			7	0.6				



**April 18 2020 Hour: 12:13 30.0 Lat: 26.57S Lon: 21.63E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.6 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SKOMABZ	325	46	IP		1214	15.28	-0.61							1.0
MAKGRBZ	328	76	IP		1214	16.84	0.54							1.0
MAKGRBE	328	76	IS		1214	50.23	-0.31							1.0
MAKGRBE	328	76	IAML		1215	20.42		26	0.4					
KDWANBZ	467	42	IP		1214	32.69	-0.83							1.0
KDWANBE	467	42	IS		1215	20.88	0.37							1.0
KDWANBE	467	42	IAML		1215	54.84		8	0.5					
BROLNBZ	839	45	IP		1215	18.97	0.85							1.0

**April 19 2020 Hour: 11:39 10.3 Lat: 23.78S Lon: 27.72E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.7 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	137	348	IP		1139	31.24	-1.05							1.0
LPHEPBZ	195	283	IP		1139	38.86	-1.24							1.0
LPHEPBZ	195	283	IS		1140	2.77	0.60							1.0
LPHEPBN	195	283	IAML		1140	18.48		33	0.4					
BROLNBZ	299	352	IP		1139	53.52	0.55							1.0
BROLNBE	299	352	IS		1140	24.78	0.22							1.0
BROLNBE	299	352	IAML		1140	53.71		20	0.7					
KDWANBZ	315	277	IP		1139	54.95	-0.05							1.0
MAKGRBZ	372	232	IP		1140	2.55	0.57							1.0
MAKGRBN	372	232	IS		1140	40.02	-0.23							1.0
MAKGRBN	372	232	IAML		1141	10.14		34	0.4					
SOOWABZ	388	336	IP		1140	4.64	0.62							1.0

**April 19 2020 Hour: 17:59 16.8 Lat: 26.21S Lon: 27.80E D:145.1 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.9 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	372	328	IP		18 0	6.54	0.04							1.0
LPHEPBN	372	328	IS		18 0	43.92	0.63							1.0
LPHEPBN	372	328	IAML		18 0	55.43		22	0.3					
MREMIBZ	405	355	IP		18 0	11.82	1.57							1.0
SKOMABZ	433	295	IP		18 0	13.22	-0.19							1.0
SKOMABE	433	295	IS		18 0	55.78	0.48							1.0
SKOMABN	433	295	IAML		18 1	3.19		24	0.3					
KDWANBZ	446	314	IP		18 0	15.08	0.08							1.0
KDWANBE	446	314	IS		18 0	57.94	-0.14							1.0
KDWANBN	446	314	IAML		18 1	8.88		44	0.3					
PHPENBZ	503	278	IP		18 0	21.40	-0.05							1.0
PHPENBE	503	278	IS		18 1	7.66	-1.64							1.0
PHPENBN	503	278	IAML		18 1	23.27		129	0.5					
BROLNBZ	568	355	IP		18 0	28.45	-0.59							1.0
BROLNBE	568	355	IS		18 1	20.85	-1.65							1.0
BROLNBE	568	355	IAML		18 1	53.81		8	0.4					
KGCAEBZ	678	302	IP		18 0	42.15	0.31							1.0
KGCAEBE	678	302	IS		18 1	45.92	1.15							1.0
KGCAEBE	678	302	IAML		18 2	19.71		22	0.4					

**April 19 2020 Hour: 20:15 11.2 Lat: 30.32S Lon: 24.60E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.2ML BGS Rms: 0.5 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	500	2	IP		2016	17.84	-0.83							1.0
MAKGRBE	500	2	IS		2017	8.72	0.14							1.0
MAKGRBE	500	2	IAML		2017	21.32		87	0.6					
PHPENBZ	564	342	IP		2016	26.66	0.28							1.0
PHPENBE	564	342	IS		2017	21.85	-0.14							1.0
PHPENBN	564	342	IAML		2017	54.27		87	0.4					
SKOMABZ	646	354	IP		2016	36.13	-0.29							1.0
KDWANBZ	769	0	IP		2016	51.84	0.81							1.0
KDWANBN	769	0	IS		2018	4.93	0.04							1.0



KDWANBN 769 0 IAML 2018 33.84 34 0.5

**April 19 2020 Hour: 20:39 25.7 Lat: 35.31N Lon: 131.12E D: 66.9 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	12545	260	IP			2057	54.67	-0.17							1.0
SOOWABZ	12615	261	IP			2057	55.68	-0.34							1.0
MREMIBZ	12617	258	IP			2057	55.49	-0.56							1.0
KHWEEBZ	12761	260	IP			2057	58.43	-0.13							1.0
LPHEPBZ	12802	258	IP			2057	59.41	0.16							1.0
KDWANBZ	12910	259	IP			2058	1.37	0.26							1.0
MAKGRBZ	13026	256	IP			2058	3.33	0.19							1.0
SKOMABZ	13035	258	IP			2058	3.50	0.24							1.0
KGCAEBZ	13101	261	IP			2058	4.31	-0.11							1.0
GRTLGBZ	13110	263	IP			2058	4.97	0.39							1.0
KOOLEBZ	13289	262	IP			2058	7.74	0.05							1.0

**April 21 2020 Hour: 3: 9 41.0 Lat: 22.62S Lon: 25.15E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ	81	23	IP			3 9	53.95	-0.07							1.0
KHWEEBN	81	23	IS			310	2.84	-0.79							1.0
KHWEEBE	81	23	IAML			310	4.68		634	0.3					
KDWANBZ	98	210	IP			3 9	56.43	-0.39							1.0
SKOMABZ	244	210	IP			310	16.77	-0.08							1.0
SKOMABE	244	210	IS			310	42.86	-0.51							1.0
SKOMABE	244	210	IAML			310	48.14		18	0.3					
SOOWABZ	253	26	IP			310	18.87	0.87							1.0
SOOWABN	253	26	IS			310	44.77	-0.60							1.0
SOOWABN	253	26	IAML			310	53.82		35	0.3					
BROLNBZ	282	54	IP			310	22.13	0.55							1.0
BROLNBN	282	54	IS			310	51.96	0.37							1.0
BROLNBE	282	54	IAML			311	3.59		11	0.3					
KGCAEBZ	303	264	IP			310	24.49	0.29							1.0
KGCAEBN	303	264	IS			310	56.50	0.35							1.0
KGCAEBN	303	264	IAML			311	7.18		20	0.3					

**April 21 2020 Hour: 15:25 44.7 Lat: 23.83S Lon: 27.54E D: 31.0 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	140	356	IP			1526	4.03	-0.95							1.0
LPHEPBZ	179	287	IP			1526	9.21	-0.57							1.0
LPHEPBN	179	287	IS			1526	27.81	-0.51							1.0
LPHEPBN	179	287	IAML			1526	33.51		32	0.5					
KDWANBZ	298	279	IP			1526	24.71	0.17							1.0
KDWANBE	298	279	IS			1526	54.00	-0.01							1.0
KDWANBE	298	279	IAML			1527	13.66		19	0.6					
KHWEEBZ	299	314	IP			1526	25.00	0.24							1.0
KHWEEBE	299	314	IS			1526	54.50	0.11							1.0
KHWEEBE	299	314	IAML			1527	10.49		140	0.3					
BROLNBZ	304	356	IP			1526	25.54	0.28							1.0
MAKGRBZ	353	231	IP			1526	30.99	-0.40							1.0
MAKGRBN	353	231	IS			1527	6.01	0.09							1.0
MAKGRBN	353	231	IAML			1527	25.88		32	0.5					
SKOMABZ	374	258	IP			1526	34.33	0.34							1.0
SOOWABZ	387	339	IP			1526	36.05	0.44							1.0
GRTLGBZ	705	292	IP			1527	14.86	0.78							1.0



**April 22 2020 Hour: 13: 7 44.7 Lat: 21.67S Lon: 25.74E D: 0.0 Ag: BGS Local**  
**Magnitudes: 1.4ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		42	225	IP		13	7	51.29-0.30							1.0
BROLNBZ		178	69	IP		13	8	12.46 0.12							1.0
BROLNBE		178	69	IS		13	8	32.61-0.16							1.0
BROLNBE		178	69	IAML		13	8	42.18		5	0.6				
KDWANBZ		219	210	IP		13	8	17.93 0.45							1.0
KDWANBE		219	210	IS		13	8	41.60-0.11							1.0
KDWANBN		219	210	IAML		13	8	45.74		7	0.8				

**April 22 2020 Hour: 13:12 27.7 Lat: 25.70S Lon: 28.31E D: 23.0 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		352	267	IP		1313		13.97-0.87							1.0
MAKGRBN		352	267	IS		1313		50.07 0.37							1.0
MAKGRBE		352	267	IAML		1313		57.87		47	0.4				
LPHEPBZ		359	316	IP		1313		16.21 0.56							1.0
LPHEPBN		359	316	IS		1313		50.71-0.40							1.0
LPHEPBE		359	316	IAML		1313		54.68		10	0.5				
KDWANBZ		450	304	IP		1313		26.87-0.00							1.0
SKOMABZ		460	286	IP		1313		28.45 0.34							1.0

**April 22 2020 Hour: 22:31 11.7 Lat: 16.69S Lon: 175.81W D: 2.2 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		14828	206	IP		2250		28.92-0.00							1.0
SKOMABZ		14996	206	IP		2250		32.03 0.34							1.0
LPHEPBZ		15014	209	IP		2250		31.54-0.47							1.0
KDWANBZ		15073	207	IP		2250		32.85-0.13							1.0
BROLNBZ		15149	212	IP		2250		33.83-0.41							1.0
LKGWBBZ		15155	203	IP		2250		34.16-0.20							1.0
KHWEEBZ		15171	209	IP		2250		35.47 0.85							1.0
KGCAEBZ		15239	205	IP		2250		35.97 0.22							1.0
KOOLEBZ		15310	202	IP		2250		36.62-0.33							1.0
GRTLGBZ		15432	204	IP		2250		39.08 0.16							1.0

**April 23 2020 Hour: 11:40 29.3 Lat: 25.29S Lon: 25.01E D: 77.9 Ag: BGS Local**  
**Magnitudes: 2.0ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		61	200	IP		1140		42.23-0.53							1.0
LPHEPBZ		230	22	IP		1141		1.80 0.69							1.0
MREMIBZ		390	40	IP		1141		20.56 0.53							1.0
BROLNBZ		522	28	IP		1141		35.99 0.50							1.0
BROLNBE		522	28	IS		1142		23.26-1.19							1.0
BROLNBE		522	28	IAML		1142		38.23		6	1.0				

**April 23 2020 Hour: 12:12 32.4 Lat: 18.56S Lon: 26.30E D: 31.1 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		147	305	IP		1212		52.39-0.39							1.0
SOOWABZ		222	182	IP		1213		1.87-0.17							1.0
SOOWABE		222	182	IS		1213		23.71-0.25							1.0
SOOWABN		222	182	IAML		1213		41.90		71	0.5				
BROLNBZ		301	159	IP		1213		11.76-0.15							1.0
KHWEEBZ		385	193	IP		1213		22.92 0.61							1.0
KHWEEBN		385	193	IS		1213		59.58 0.34							1.0
KHWEEBN		385	193	IAML		1214		24.97		74	0.4				



**April 24 2020 Hour: 16: 8 17.8 Lat: 26.34S Lon: 27.23E D:253.9 Ag: BGS Local**  
**Magnitudes: 3.9ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		250	283	IP		16	8	59.90-1.70							1.0
LPHEPBZ		358	337	IP		16	9	11.28-0.27							1.0
LPHEPBN		358	337	IS		16	9	52.07 0.78							1.0
LPHEPBE		358	337	IAML		1610		6.18		620	0.3				
SKOMABZ		388	301	IP		16	9	14.64 0.06							1.0
KDWANBZ		418	321	IP		16	9	18.18 0.55							1.0
KDWANBE		418	321	IS		1610		1.63-0.25							1.0
KDWANBN		418	321	IAML		1610		21.70		854	0.5				
PHPENBZ		448	281	IP		16	9	21.56 0.81							1.0
KHWEEBZ		519	339	IP		16	9	28.60 0.29							1.0
BROLNBZ		581	1	IP		16	9	35.72 0.75							1.0
BROLNBN		581	1	IS		1610		32.34 0.29							1.0
BROLNBE		581	1	IAML		1611		5.93		191	0.4				
KGCAEBZ		638	306	IP		16	9	41.65 0.29							1.0
KGCAEBN		638	306	IS		1610		43.31 0.14							1.0
KGCAEBE		638	306	IAML		1611		27.74		338	0.7				
SOOWABZ		648	351	IP		16	9	42.78 0.36							1.0
SOOWABN		648	351	IS		1610		44.35-0.67							1.0
SOOWABE		648	351	IAML		1611		25.55		533	0.7				
KOOLEBZ		802	296	IP		16	9	59.21-0.61							1.0
KOOLEBN		802	296	IS		1611		16.10 0.82							1.0
KOOLEBN		802	296	IAML		1612		16.54		115	0.7				
GRTLGBZ		824	311	IP		1610		1.86-0.38							1.0
GRTLGBN		824	311	IS		1611		19.20-0.30							1.0
GRTLGBE		824	311	IAML		1612		20.72		112	0.2				
KSANEZBZ		969	347	IP		1610		18.85-0.02							1.0
KSANEZBE		969	347	IS		1611		47.51-0.92							1.0
KSANEZBE		969	347	IAML		1612		56.13		107	0.6				

**April 24 2020 Hour: 21: 8 12.9 Lat: 3.01S Lon: 28.73E D:217.1 Ag: BGS Regional**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZBZ		1682	193	IP		2111		35.01-0.80							1.0
KSANEZBN		1682	193	IS		2114		24.06 0.06							1.0
KSANEZBN		1682	193	IAML		2116		45.09		120	0.8				
SOOWABZ		1961	188	IP		2112		4.12 0.42							1.0
BROLNBZ		2008	184	IP		2112		6.85-1.38							0.9
BROLNBN		2008	184	IS		2115		24.80 0.29							1.0
BROLNBE		2008	184	IAML		2117		29.84		70	0.8				
KHWEEBZ		2125	189	IP		2112		19.56-0.12							1.0
KHWEEBE		2125	189	IS		2115		45.56 0.08							1.0
KHWEEBE		2125	189	IAML		2118		28.57		148	0.9				
MREMIBZ		2169	184	IP		2112		23.48-0.38							1.0
GRTLGBZ		2188	201	IP		2112		26.20 0.50							1.0
GRTLGBN		2188	201	IAML		2119		20.11		37	0.8				
LPHEPBZ		2274	188	IP		2112		34.69 0.80							1.0
LPHEPBN		2274	188	IS		2116		11.70 0.30							1.0
LPHEPBE		2274	188	IAML		2118		59.74		32	0.9				
KDWANBZ		2297	191	IP		2112		36.44 0.36							1.0
KDWANBN		2297	191	IS		2116		14.97-0.42							1.0
KDWANBE		2297	191	IAML		2119		24.10		61	0.8				
KGCAEBZ		2306	197	IP		2112		37.77 0.78							1.0
KOOLEBZ		2395	202	IP		2112		45.32-0.13							1.0
KOOLEBN		2395	202	IS		2116		29.80-0.37							1.0
SKOMABZ		2435	192	IP		2112		48.44-0.34							1.0
MAKGRBZ		2559	189	IP		2112		59.66 0.73							1.0
PHPENBZ		2565	194	IP		2112		58.91-0.51							1.0



**April 25 2020 Hour: 3:52 59.2 Lat: 20.87S Lon: 35.78E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.8ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		878	267	IP		354	52.83	0.93							1.0
BROLNBN		878	267	IS		356	14.82	-0.49							1.0
BROLNBE		878	267	IAML		357	8.15			35	0.4				
SOOWABZ		996	270	IP		355	5.23	-0.54							1.0
SOOWABE		996	270	IS		356	40.28	0.83							1.0
SOOWABE		996	270	IAML		357	54.38			85	0.5				
LPHEPBZ		1060	253	IP		355	12.80	-0.44							1.0
KHWEEBZ		1078	262	IP		355	14.94	-0.41							1.0
KHWEEBE		1078	262	IS		356	55.78	-0.34							1.0
KHWEEBN		1078	262	IAML		358	10.28			118	0.3				
KSANEBZ		1166	285	IP		355	25.41	-0.30							0.9
KDWANBZ		1180	254	IP		355	27.41	0.04							0.9
MAKGRBZ		1248	242	IP		355	35.90	0.47							0.9
KGCAEBZ		1420	259	IP		355	55.46	-0.10							0.7
GRTLGBZ		1514	265	IP		356	7.49	0.86							0.6
KOOLEBZ		1626	259	IP		356	20.10	0.18							0.5

**April 26 2020 Hour: 13:44 27.3 Lat: 22.07S Lon: 27.01E D: 31.1 Ag: BGS Local**  
**Magnitudes: 1.5ML BGS Rms: 0.1 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		71	141	IP		1344	39.11	0.16							1.0
MREMIBE		71	141	IS		1344	47.51	-0.09							1.0
MREMIBN		71	141	IAML		1344	52.86			25	0.3				
BROLNBZ		113	17	IP		1344	43.99	-0.09							1.0
BROLNBN		113	17	IS		1344	56.56	0.04							1.0
BROLNBN		113	17	IAML		1345	4.24			14	0.3				
LPHEPBZ		186	219	IP		1344	53.13	-0.02							1.0

**April 27 2020 Hour: 11:51 20.2 Lat: 23.29S Lon: 27.18E D: 0.3 Ag: BGS Local**  
**Magnitudes: 1.8ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		84	19	IP		1151	33.66	-0.12							1.0
LPHEPBZ		135	266	IP		1151	41.38	-0.61							1.0
LPHEPBN		135	266	IS		1151	58.49	0.40							1.0
LPHEPBN		135	266	IAML		1152	6.76			23	0.3				
BROLNBZ		243	4	IP		1151	56.20	0.32							1.0
BROLNBN		243	4	IS		1152	22.16	-0.10							1.0
BROLNBN		243	4	IAML		1152	59.06			9	1.1				
KDWANBZ		257	267	IP		1151	58.17	0.45							1.0
KDWANBE		257	267	IS		1152	25.12	-0.35							1.0
KDWANBE		257	267	IAML		1152	47.04			20	0.8				

**April 28 2020 Hour: 10: 4 12.1 Lat: 25.55S Lon: 29.48E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.3ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		389	327	IP		10	5	4.87	-1.08						1.0
MREMIBE		389	327	IS		10	5	45.46	-0.37						1.0
MREMIBE		389	327	IAML		10	6	16.26		167	0.4				
LPHEPBZ		440	303	IP		10	5	12.01	-0.20						1.0
MAKGRBZ		471	265	IP		10	5	16.86	0.85						1.0
MAKGRBN		471	265	IS		10	6	3.90	0.57						1.0
MAKGRBN		471	265	IAML		10	6	15.11		363	0.5				
BROLNBZ		539	336	IP		10	5	25.14	0.88						1.0
BROLNBE		539	336	IS		10	6	18.01	0.32						1.0
BROLNBE		539	336	IAML		10	6	55.82		32	0.5				
SKOMABZ		572	280	IP		10	5	27.14	-1.05						1.0
KHWEEBZ		573	313	IP		10	5	28.54	0.19						1.0
SOOWABZ		645	328	IP		10	5	37.83	0.72						1.0
PHPENBZ		666	269	IP		10	5	39.20	-0.45						1.0
KGCAEBZ		797	290	IP		10	5	54.80	-0.40						1.0



**April 28 2020 Hour: 11:15 5.5 Lat: 35.87N Lon: 72.86E D: 0.0 Ag: BGS Distant**  
**Rms: 0.1 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	7915	225	IP			1126	26.32	-0.11							1.0
SOOWABZ	7940	226	IP			1126	27.91	0.11							1.0
KHWEEBZ	8109	226	IP			1126	36.95	0.02							1.0
LPHEPBZ	8205	224	IP			1126	42.09	0.08							1.0
KDWANBZ	8283	225	IP			1126	45.98	-0.13							1.0
GRTLGBZ	8341	229	IP			1126	49.17	-0.03							1.0
KGCAEBZ	8399	227	IP			1126	52.19	0.03							1.0
SKOMABZ	8428	225	IP			1126	53.60	0.04							1.0

**April 28 2020 Hour: 15: 6 10.2 Lat: 26.32S Lon: 29.60E D: 50.5 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 1.0 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	484	276	IP			15	7	13.68	1.36						1.0
MAKGRBN	484	276	IS			15	7	57.46	-0.82						1.0
MAKGRBN	484	276	IAML			15	8	20.56		40	0.5				
KDWANBZ	596	302	IP			15	7	26.04	0.12						1.0
KDWANBN	596	302	IAML			15	9	7.07		6	0.5				
BROLNBZ	622	338	IP			15	7	27.59	-1.45						1.0
BROLNBE	622	338	IS			15	8	28.16	0.79						1.0
BROLNBN	622	338	IAML			15	8	59.88		6	0.4				

**April 29 2020 Hour: 3:41 29.4 Lat: 25.78S Lon: 27.13E D: 59.5 Ag: BGS Local**  
**Magnitudes: 3.0ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	234	269	IP			342	0.41	-0.83							1.0
LPHEPBZ	297	334	IP			342	8.52	-0.36							1.0
SKOMABZ	351	293	IP			342	15.91	0.43							1.0
KDWANBZ	365	316	IP			342	17.09	-0.02							1.0
KDWANBN	365	316	IS			342	52.53	0.10							1.0
KDWANBN	365	316	IAML			343	20.71			126	0.3				
PHPENBZ	430	274	IP			342	25.41	0.36							1.0
KHWEEBZ	458	338	IP			342	28.66	0.29							1.0
BROLNBZ	519	2	IP			342	35.95	0.21							1.0
SOOWABZ	585	351	IP			342	43.21	-0.34							1.0
KGCAEBZ	595	302	IP			342	45.25	0.46							1.0
KGCAEBN	595	302	IS			343	41.22	0.64							1.0
KGCAEBN	595	302	IAML			344	25.92			40	0.6				
GRTLGBZ	777	308	IP			343	6.07	-0.06							1.0
GRTLGBN	777	308	IS			344	16.83	-0.89							1.0
GRTLGBE	777	308	IAML			345	18.05			16	0.3				

**April 29 2020 Hour: 12:44 30.0 Lat: 25.18S Lon: 27.38E D: 75.5 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 8.0 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	254	322	IP			1245	1.18	-3.34							1.0
MAKGRBZ	268	254	IP			1245	3.12	-3.15							1.0
MREMIBZ	289	1	IP			1245	6.82	-1.98							1.0
MREMIBE	289	1	IS			1245	36.17	-1.33							1.0
MREMIBE	289	1	IAML			1245	41.98			123	0.4				
KDWANBZ	340	305	IP			1245	12.26	-2.67							1.0
KDWANBN	340	305	IP			1245	42.42	27.49							1.0
KDWANBN	340	305	IAML			1245	59.99			31	0.3				
SKOMABZ	356	281	IP			1245	13.55	-3.19							1.0
SKOMABE	356	281	IS			1245	47.18	-4.13							1.0
SKOMABN	356	281	IAML			1246	6.93			69	0.6				
KHWEEBZ	409	331	IP			1245	21.72	-1.28							1.0
KHWEEBE	409	331	IS			1246	0.20	-2.01							1.0
KHWEEBE	409	331	IAML			1246	18.19			100	0.3				
BROLNBZ	452	359	IP			1245	27.37	-0.71							1.0
BROLNBN	452	359	IS			1246	10.05	-1.00							1.0



BROLNBN 452 359 IAML 1246 13.80 8 0.3  
 PHPENBZ 456 265 IP 1245 25.82-2.72 1.0

**April 29 2020 Hour: 17:1 28.3 Lat: 36.41N Lon: 46.76E D: 0.4 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	6679	201	IP			1711	36.93	-0.20							1.0
GRTLGBZ	6930	207	IP			1711	52.77	0.29							1.0
LPHEPBZ	6965	202	IP	D		1711	54.63	0.12							1.0
KDWANBZ	7007	203	IP			1711	57.49	0.42							1.0
KGCAEBZ	7043	205	IP			1711	58.51	-0.73							1.0
SKOMABZ	7151	203	IP	D		1712	5.93	0.36							1.0
MAKGRBZ	7256	202	IP			1712	11.49	-0.27							1.0

**April 29 2020 Hour: 22:57 4.4 Lat: 26.29S Lon: 27.34E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	260	281	IP			2257	41.91	-0.34							1.0
MAKGRBN	260	281	IS			2258	11.05	0.81							1.0
MAKGRBN	260	281	IAML			2258	13.71		34	0.5					
LPHEPBZ	357	335	IP			2257	55.03	0.73							1.0
LPHEPBN	357	335	IAML			2258	50.42		5	0.4					
SKOMABZ	395	299	IP			2257	58.51	-0.55							1.0
MREMIBZ	412	2	IP			2258	1.27	0.15							1.0
MREMIBE	412	2	IAML			2259	4.83		32	0.3					
KDWANBZ	421	319	IP			2258	1.41	-0.84							1.0
KDWANBN	421	319	IS			2258	44.60	-0.43							1.0
KDWANBN	421	319	IAML			2259	2.39		10	0.3					
PHPENBZ	458	280	IP			2258	6.76	-0.07							1.0
KHWEEBZ	518	338	IP			2258	14.54	0.49							1.0
KGCAEBZ	644	305	IP			2258	29.42	0.05							1.0

**April 30 2020 Hour: 8:22 7.0 Lat: 2.20S Lon: 94.35E D:675.1 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	7547	248	IP			832	0.84	0.09							1.0
MREMIBZ	7554	247	IP			832	1.53	0.39							1.0
LPHEPBZ	7726	246	IP			832	9.62	-0.77							1.0
KHWEEBZ	7751	248	IP			832	11.36	-0.36							1.0
KDWANBZ	7849	246	IP			832	17.43	0.59							1.0
MAKGRBZ	7866	244	IP			832	17.73	-0.03							1.0
SKOMABZ	7936	245	IP			832	21.45	0.06							1.0
KGCAEBZ	8093	247	IP			832	29.55	0.03							1.0

**April 30 2020 Hour: 11:27 50.0 Lat: 27.64S Lon: 23.22E D: 31.1 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHPENBZ	242	351	IP			1128	22.83	-0.10							1.0
MAKGRBZ	256	38	IP			1128	25.11	0.45							1.0
SKOMABZ	353	12	IP			1128	36.74	0.05							1.0
KDWANBZ	493	17	IP			1128	53.48	-0.30							1.0
KDWANBE	493	17	IS			1129	40.85	-0.12							1.0
KDWANBE	493	17	IAML			1130	11.87		38	0.6					
KGCAEBZ	540	349	IP			1129	0.03	0.61							1.0
LPHEPBZ	543	30	IP			1129	0.29	0.52							1.0
LPHEPBE	543	30	IS			1129	50.74	-0.65							1.0
LPHEPBN	543	30	IAML			1130	28.51		16	0.4					
KOOLEBZ	598	329	IP			1129	5.45	-1.05							1.0
KOOLEBE	598	329	IS			1130	3.07	-0.03							1.0
KOOLEBE	598	329	IAML			1130	49.60		26	0.5					
GRTLGBZ	724	343	IP			1129	21.51	-0.07							1.0
GRTLGBE	724	343	IS			1130	30.03	0.68							1.0
GRTLGBN	724	343	IAML			1131	18.41		10	0.4					



**April 30 2020 Hour: 15: 5 29.0 Lat: 24.92S Lon: 28.23E D: 15.6 Ag: BGS Local**  
**Magnitudes: 2.9ML BGS Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		273	343	IP		15	6	6.27-0.60							1.0
MREMIBE		273	343	IS		15	6	35.78 0.91							1.0
MREMIBE		273	343	IAML		15	6	50.04		157	0.4				
LPHEPBZ		297	305	IP		15	6	9.65-0.22							1.0
LPHEPBN		297	305	IS		15	6	40.48 0.37							1.0
LPHEPBN		297	305	IAML		15	6	56.51		25	0.4				
MAKGRBZ		359	253	IP		15	6	17.33-0.34							1.0
KDWANBZ		401	294	IP		15	6	22.89 0.03							1.0
KDWANBN		401	294	IS		15	7	2.09-0.62							1.0
KDWANBE		401	294	IAML		15	7	18.17		50	0.6				
BROLNBZ		433	348	IP		15	6	27.79 1.02							1.0
SKOMABZ		437	275	IP		15	6	26.39-0.89							1.0
SKOMABN		437	275	IS		15	7	11.00 0.60							1.0
SKOMABN		437	275	IAML		15	7	25.05		46	0.4				
SOOWABZ		525	336	IP		15	6	38.57 0.66							1.0
SOOWABE		525	336	IS		15	7	27.01-1.88							1.0
SOOWABN		525	336	IAML		15	8	1.03		45	0.5				
PHPENBZ		545	262	IP		15	6	39.13-1.23							1.0
PHPENBE		545	262	IS		15	7	33.80 0.65							1.0
PHPENBE		545	262	IAML		15	7	48.24		123	0.4				
KGCAEBZ		655	289	IP		15	6	55.23 1.56							1.0
KGCAEBE		655	289	IS		15	7	56.27-0.04							1.0
KGCAEBN		655	289	IAML		15	8	30.77		32	0.5				

**April 30 2020 Hour: 15:12 17.9 Lat: 25.65S Lon: 28.34E D: 97.9 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		355	266	IP		1513		4.22-0.34							1.0
LPHEPBZ		357	315	IP		1513		5.10 0.37							1.0
KDWANBZ		450	303	IP		1513		16.99 1.40							1.0
KDWANBE		450	303	IS		1513		58.99 0.68							1.0
KDWANBE		450	303	IAML		1514		27.49		27	0.5				
SKOMABZ		462	285	IP		1513		17.52 0.50							1.0
SKOMABE		462	285	IS		1514		0.40-0.40							1.0
SKOMABN		462	285	IAML		1514		39.88		18	0.5				
BROLNBZ		515	348	IP		1513		22.82-0.39							1.0
BROLNBE		515	348	IS		1514		10.85-0.72							1.0
BROLNBN		515	348	IAML		1514		49.36		11	0.4				
PHPENBZ		551	271	IP		1513		27.04-0.46							1.0
PHPENBE		551	271	IS		1514		18.40-0.62							1.0
PHPENBE		551	271	IAML		1514		57.59		51	0.4				

**April 30 2020 Hour: 22:11 34.8 Lat: 25.42S Lon: 62.74W D:568.8 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ		8281	108	IP		2222		16.14 0.17							1.0
LKGWBBZ		8333	110	IP		2222		18.61 0.05							1.0
GRTLGBZ		8446	107	IP		2222		24.15-0.05							1.0
KGCAEBZ		8479	109	IP		2222		25.62-0.19							1.0
SKOMABZ		8573	111	IP		2222		30.19-0.19							1.0
MAKGRBZ		8600	113	IP		2222		31.83 0.12							1.0
KDWANBZ		8689	110	IP		2222		35.91-0.13							1.0
LPHEPBZ		8803	111	IP		2222		41.79 0.32							1.0
KHWEEBZ		8825	109	IP		2222		42.45-0.11							1.0
KSANEZBZ		8980	105	IP		2222		49.96 0.11							1.0
BROLNBZ		9042	109	IP		2222		52.58-0.09							1.0



May 1 2020 Hour: 2:40 28.9 Lat: 26.73S Lon: 27.71E D: 15.4 Ag: BGS Regiona  
Magnitudes: 2.9ML BGS Rms: 0.5 secs

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	308	289	IP		241	11.25	0.12							1.0
MAKGRBN	308	289	IS		241	42.91	0.49							1.0
MAKGRBE	308	289	IAML		241	46.50		145	0.2					
LPHEPBZ	417	333	IP		241	25.03	0.33							1.0
LPHEPBN	417	333	IS		242	6.28	0.25							1.0
LPHEPBE	417	333	IAML		242	20.31		25	0.3					
SKOMABZ	452	302	IP		241	28.96	0.08							1.0
SKOMABN	452	302	IS		242	12.97	-0.32							1.0
SKOMABE	452	302	IAML		242	27.18		31	0.3					
KDWANBZ	482	320	IP		241	32.51	-0.05							1.0
KDWANBN	482	320	IS		242	19.65	-0.05							1.0
KDWANBN	482	320	IAML		242	33.36		79	0.3					
PHPENBZ	505	285	IP		241	35.18	-0.13							1.0
PHPENBE	505	285	IS		242	25.19	0.71							1.0
PHPENBE	505	285	IAML		242	42.18		82	0.4					
KHWEEBZ	578	336	IP		241	44.69	0.55							1.0
KHWEEBN	578	336	IS		242	40.21	0.36							1.0
KHWEEBE	578	336	IAML		243	2.07		159	0.3					
BROLNBZ	625	356	IP		241	50.39	0.51							1.0
BROLNBN	625	356	IS		242	49.16	-0.68							1.0
BROLNBE	625	356	IAML		243	20.09		14	0.5					
SOOWABZ	700	347	IP		241	58.56	-0.36							1.0
SOOWABN	700	347	IS		243	6.18	0.61							1.0
SOOWABE	700	347	IAML		243	39.73		49	0.7					
KGCAEBZ	703	307	IP		241	58.92	-0.35							1.0
KGCAEBN	703	307	IS		243	5.66	-0.51							1.0
KGCAEBN	703	307	IAML		243	38.53		29	0.4					
GRTLGBZ	888	311	IP		242	20.21	-0.91							1.0
GRTLGBN	888	311	IS		243	43.57	-0.63							1.0
GRTLGBE	888	311	IAML		244	30.71		8	0.3					

May 1 2020 Hour: 11:56 15.8 Lat: 23.72S Lon: 27.54E D: 0.0 Ag: BGS Local  
Magnitudes: 1.3ML BGS Rms: 0.3 secs

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	128	356	IP		1156	35.97	-0.41							1.0
LPHEPBZ	176	283	IP		1156	43.11	-0.10							1.0
LPHEPBN	176	283	IS		1157	3.15	-0.35							1.0
KHWEEBN	291	312	IS		1157	28.30	-0.06							1.0
BROLNBZ	291	356	IP		1156	57.63	0.17							1.0
BROLNBE	291	356	IS		1157	28.56	0.26							1.0
BROLNBN	291	356	IAML		1157	36.29		3	0.4					
KHWEEBZ	291	312	IP		1156	57.55	0.06							1.0
KDWANBZ	296	277	IP		1156	58.17	0.02							1.0
KDWANBN	296	277	IS		1157	29.92	0.41							1.0
LPHEPBN			IAML		1157	8.13		12	0.4					
MREMIBE			IAML		1156	57.05		48	0.3					
KDWANBN			IAML		1157	48.37		5	0.3					

May 2 2020 Hour: 3:56 11.8 Lat: 36.57S Lon: 59.80E D: 0.1 Ag: BGS Distant  
Rms: 0.9 secs

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	3519	280	IP		4	2	36.50	-0.41						1.0
LPHEPBZ	3563	285	IP		4	2	40.94	0.57						1.0
BROLNBZ	3576	290	IP		4	2	40.52	-0.94						1.0
SKOMABZ	3665	281	IP		4	2	49.47	1.05						1.0
KDWANBZ	3666	284	IP		4	2	47.23	-1.25						0.9
KHWEEBZ	3683	287	IP		4	2	50.81	0.91						1.0
KGCAEBZ	3910	282	IP		4	3	7.68	0.10						1.0
KOOLEBZ	4079	280	IP		4	3	19.46	-1.13						1.0
GRTLGBZ	4085	284	IP		4	3	22.08	1.04						1.0



**May 2 2020 Hour: 10:18 41.4 Lat: 25.34S Lon: 28.38E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.9ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	321	343	IP			1019	26.17	-0.70							1.0
MREMIBE	321	343	IS			1020	1.22	0.72							1.0
MREMIBE	321	343	IAML			1020	15.34		123	0.3					
LPHEPBZ	337	310	IP			1019	29.41	0.62							1.0
LPHEPBE	337	310	IS			1020	3.19	-0.66							1.0
LPHEPBE	337	310	AMP			1020	25.59		203	0.6					
MAKGRBZ	363	261	IP			1019	32.11	0.01							1.0
KDWANBZ	435	299	IP			1019	40.95	-0.08							1.0
SKOMABZ	458	281	IP			1019	42.69	-1.12							1.0
BROLNBZ	482	347	IP			1019	45.80	-0.86							1.0
BROLNBE	482	347	IS			1020	35.25	0.31							1.0
BROLNBN	482	347	IAML			1020	59.67		16	0.7					
PHPENBZ	556	267	IP			1019	56.93	1.30							1.0
SOOWABZ	574	337	IP			1019	58.25	0.46							1.0

**May 2 2020 Hour: 10:46 10.5 Lat: 18.36S Lon: 26.43E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	148	295	IP			1046	33.67	-0.63							1.0
KSANEBN	148	295	IS			1046	52.42	0.53							1.0
KSANEBN	148	295	IAML			1046	56.66		162	0.3					
SOOWABZ	244	185	IP			1046	46.23	-0.20							1.0
SOOWABN	244	185	IS			1047	14.11	1.13							1.0
SOOWABN	244	185	IAML			1047	16.69		74	0.6					
BROLNBZ	317	163	IP			1046	56.09	0.58							1.0
BROLNBE	317	163	IS			1047	28.23	-0.56							1.0
BROLNBN	317	163	IAML			1047	33.57		9	0.3					
KHWEEBZ	410	194	IP			1047	7.83	0.87							1.0
MREMIBZ	478	167	IP			1047	15.50	0.24							1.0
MREMIBN	478	167	IS			1048	3.47	0.32							1.0
MREMIBN	478	167	IAML			1048	21.43		31	0.4					
LPHEPBZ	557	186	IP			1047	25.31	0.47							1.0
LPHEPBN	557	186	IS			1048	18.81	-1.02							1.0
LPHEPBE	557	186	IAML			1048	42.73		5	0.7					
KDWANBZ	585	198	IP			1047	26.52	-1.76							1.0
KDWANBN	585	198	IS			1048	25.85	0.04							1.0
KDWANBN	585	198	IAML			1048	59.54		10	0.6					

**May 2 2020 Hour: 11:41 59.1 Lat: 23.77S Lon: 27.69E D: 31.0 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	135	349	IP			1142	17.72	-0.99							1.0
MREMIBE	135	349	IS			1142	32.54	-0.66							1.0
MREMIBN	135	349	IAML			1142	38.30		100	0.3					
LPHEPBZ	193	283	IP			1142	25.55	-0.33							1.0
LPHEPBN	193	283	IS			1142	45.43	-0.24							1.0
LPHEPBE	193	283	IAML			1142	50.47		48	0.7					
BROLNBZ	298	353	IP			1142	39.02	0.09							1.0
BROLNBN	298	353	IS			1143	8.61	0.22							1.0
BROLNBN	298	353	IAML			1143	24.75		13	0.8					
KHWEEBZ	306	311	IP			1142	41.68	1.67							1.0
KHWEEBN	306	311	IS			1143	10.31	0.04							1.0
KHWEEBN	306	311	IAML			1143	17.07		119	0.3					
KDWANBZ	313	277	IP			1142	40.20	-0.59							1.0
KDWANBN	313	277	IS			1143	11.76	0.14							1.0
KDWANBE	313	277	IAML			1143	30.51		32	0.7					
MAKGRBZ	370	232	IP			1142	48.47	0.54							1.0
MAKGRBN	370	232	IS			1143	23.60	-0.45							1.0
MAKGRBE	370	232	IAML			1143	42.75		46	0.6					
SOOWABZ	386	336	IP			1142	50.41	0.51							1.0



SOOWABE 386 336 IS 1143 27.53 0.05 1.0  
 SOOWABE 386 336 IAML 1143 45.22 27 0.6

**May 2 2020 Hour: 12:52 4.0 Lat: 34.44N Lon: 25.34E D:651.1 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	5777	180	IP			13	0	15.90	0.74						1.0
SOOWABZ	6083	179	IP		D	13	0	33.56	-0.91						1.0
BROLNBZ	6145	178	IP		D	13	0	39.31	0.96						1.0
GRTLGBZ	6186	185	IP			13	0	40.13	-0.77						1.0
KHWEEBZ	6235	180	IP			13	0	43.83	-0.07						1.0
MREMIBZ	6308	178	IP		D	13	0	48.35	0.01						1.0
KGCAEBN	6344	183	IP		C	13	0	50.40	-0.18						1.0
KOOLEBZ	6374	186	IP			13	0	52.87	0.44						1.0
LPHEPBZ	6392	179	IP			13	0	52.87	-0.59						1.0
KDWANBZ	6394	181	IP			13	0	52.87	-0.72						1.0
LKGWBBZ	6490	184	IP			13	0	59.85	0.49						1.0
SKOMABZ	6521	181	IP			13	1	1.08	-0.14						1.0
PHPENBZ	6631	183	IP			13	1	8.06	0.30						1.0
MAKGRBZ	6663	181	IP		D	13	1	10.11	0.42						1.0

**May 2 2020 Hour: 15:51 23.1 Lat: 21.04S Lon: 33.57E D: 0.0 Ag: BGS Regional**  
**Magnitudes: 3.4ML BGS Rms: 1.0 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	648	268	IP			1552		48.45	-0.04						1.0
BROLNBE	648	268	IS			1553		49.93	-1.78						1.0
BROLNBE	648	268	IAML			1554		24.41		41	0.6				
MREMIBZ	656	254	IP			1552		49.24	-0.14						1.0
LPHEPBZ	836	251	IP			1553		11.07	0.30						1.0
LPHEPBN	836	251	IS			1554		30.40	-0.07						1.0
LPHEPBN	836	251	IAML			1555		25.93		21	0.4				
KHWEEBZ	848	262	IP			1553		13.48	1.28						1.0
KHWEEBN	848	262	IS			1554		34.05	1.10						1.0
KHWEEBN	848	262	IAML			1555		21.69		137	0.3				
KDWANBZ	955	253	IP			1553		24.19	-0.56						1.0
KDWANBE	955	253	IS			1554		55.53	0.74						1.0
KDWANBE	955	253	IAML			1555		55.49		42	0.7				
MAKGRBZ	1040	238	IP			1553		35.47	0.62						1.0
MAKGRBE	1040	238	IS			1555		10.95	-1.42						1.0
MAKGRBN	1040	238	IAML			1556		11.83		41	0.6				
SKOMABZ	1062	247	IP			1553		35.94	-1.42						1.0
SKOMABN	1062	247	IS			1555		18.11	1.38						1.0
SKOMABN	1062	247	IAML			1556		20.53		16	0.7				

**May 3 2020 Hour: 0:43 9.3 Lat: 3.78S Lon: 78.47W D: 15.0 Ag: BGS Distant**  
**Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	10742	114	IP			056		39.22	0.81						1.0
GRTLGBZ	10868	112	IP			056		43.91	0.42						1.0
KGCAEBZ	10949	114	IP			056		47.30	0.60						1.0
PHPENBZ	10974	116	IP			056		47.40	0.02						1.0
SKOMABZ	11097	116	IP			056		52.94	0.65						1.0
MAKGRBZ	11161	117	IP			056		54.73	-0.14						1.0
KDWANBZ	11189	114	IP			056		54.50	-1.48						0.9
KHWEEBZ	11294	113	IP			056		59.55	-0.59						1.0
LPHEPBZ	11311	115	IP			057		1.49	0.67						1.0
BROLNBZ	11502	113	IP			057		7.23	-1.19						1.0



**May 5 2020 Hour: 11:50 25.3 Lat: 23.66S Lon: 27.47E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		121	359	IP		1150	43.42	-1.39							1.0
MREMIBN		121	359	IAML		1151	6.82			49	0.3				
LPHEPBZ		168	281	IP		1150	51.27	-0.47							1.0
LPHEPBN		168	281	IS		1151	10.44	-0.83							1.0
LPHEPBE		168	281	IAML		1151	16.09			48	0.7				
KHWEEBZ		281	312	IP		1151	6.25	0.40							1.0
KHWEEBN		281	312	IS		1151	35.46	-0.36							1.0
KHWEEBN		281	312	IAML		1151	42.40			88	0.3				
BROLNBZ		284	357	IP		1151	6.12	-0.02							1.0
BROLNBE		284	357	IS		1151	37.55	1.23							1.0
BROLNBE		284	357	IAML		1151	51.51			17	0.8				
KDWANBZ		289	276	IP		1151	7.44	0.69							1.0
KDWANBN		289	276	IS		1151	38.14	0.75							1.0
KDWANBN		289	276	IAML		1151	54.89			17	0.5				

**May 6 2020 Hour: 4:59 1.2 Lat: 27.07S Lon: 27.19E D: 58.9 Ag: BGS Local**  
**Magnitudes: 3.5ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		276	300	IP		459	38.40	0.22							1.0
MAKGRBN		276	300	IS		5 0	4.34	-1.23							1.0
MAKGRBN		276	300	IAML		5 0	6.58			2094	0.5				
LPHEPBN		432	342	IAML		5 1	0.30			54	0.3				
SKOMABN		432	310	IS		5 0	37.16	-1.25							1.0
LPHEPBE		432	342	IS		5 0	39.88	1.55							1.0
SKOMABE		432	310	IAML		5 0	53.04			152	0.3				
LPHEPBZ		432	342	IP		459	57.60	0.59							1.0
SKOMABZ		432	310	IP		459	56.25	-0.81							1.0
PHPENBZ		468	291	IP		5 0	0.49	-0.86							1.0
PHPENBN		468	291	IS		5 0	47.05	1.18							1.0
PHPENBN		468	291	IAML		5 1	0.27			639	0.5				
KDWANBZ		482	327	IP		5 0	3.52	0.48							1.0
KHWEEBZ		594	342	IP		5 0	16.46	0.02							1.0
KHWEEBN		594	342	IS		5 1	11.08	-1.05							1.0
KHWEEBN		594	342	IAML		5 1	47.94			273	0.4				
BROLNBZ		661	1	IP		5 0	24.80	0.49							1.0
BROLNBN		661	1	IS		5 1	25.01	-0.82							1.0
BROLNBN		661	1	IAML		5 2	0.91			37	0.4				
KGCAEBZ		686	312	IP		5 0	27.48	0.18							1.0
KGCAEBN		686	312	IS		5 1	31.75	0.72							1.0
KGCAEBN		686	312	IAML		5 2	14.01			99	0.8				
SOOWABZ		727	352	IP		5 0	32.37	0.30							1.0
SOOWABE		727	352	IS		5 1	38.90	-0.43							1.0
SOOWABN		727	352	IAML		5 2	26.10			138	0.6				
KOOLEBZ		838	301	IP		5 0	44.96	-0.17							1.0
KOOLEBN		838	301	IS		5 2	2.26	0.20							1.0
KOOLEBE		838	301	IAML		5 2	53.30			57	0.6				
GRTLGBZ		876	315	IP		5 0	49.41	-0.20							1.0
GRTLGBN		876	315	IS		5 2	10.74	0.89							1.0
GRTLGBN		876	315	IAML		5 3	1.77			33	0.3				

**May 6 2020 Hour: 13:53 42.4 Lat: 8.56S Lon: 130.19E D: 15.0 Ag: BGS Distant**  
**Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ10947		246		IP		14 7	19.83	0.01							1.0
BROLNBZ10994		247		IP		14 7	22.01	0.62							1.0
LPHEPBZ11085		245		IP		14 7	24.56	-0.45							1.0
SOOWABZ11121		247		IP		14 7	27.04	0.62							1.0
MAKGRBZ11124		242		IP		14 7	25.26	-1.30							0.9
KHWEEBZ11164		246		IP		14 7	28.36	0.22							1.0
KDWANBZ11204		244		IP		14 7	30.14	0.39							1.0



SKOMABZ11245	243	IP	14	7	32.28	0.93											1.0
KSANEBZ11298	250	IP	14	7	32.90	-0.58											1.0
PHPENBZ11322	242	IP	14	7	34.99	0.55											1.0
KGCAEBZ11462	244	IP	14	7	39.83	-0.23											1.0
GRTLGBZ11604	245	IP	14	7	44.84	-0.89											1.0

**May 7 2020 Hour: 5:46 56.3 Lat: 22.28S Lon: 27.91E D: 0.0 Ag: BGS Local**  
**Magnitudes: 1.5ML BGS Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		58	236	IP		547	5.45	-0.27							1.0
MREMIBE		58	236	Lg		547	12.01	-0.47							1.0
MREMIBE		58	236	IAML		547	12.98		39	0.3					
BROLNBZ		143	335	IP		547	18.29	-1.16							1.0
BROLNBN		143	335	IAML		547	24.91		10	0.9					
KHWEEBZ		257	278	IP		547	35.33	1.49							1.0
SOOWABN		259	317	IP		547	34.42	0.41							1.0
SOOWABN		259	317	IAML		547	52.88		7	0.3					

**May 10 2020 Hour: 10:42 58.0 Lat: 26.49S Lon: 30.47E D: 34.1 Ag: BGS Local**  
**Magnitudes: 3.3ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		531	324	IP		1044	5.00	-1.25							1.0
MAKGRBZ		571	276	IP		1044	11.94	0.75							1.0
MAKGRBN		571	276	IS		1045	4.81	-0.54							1.0
MAKGRBE		571	276	IAML		1045	12.42		135	0.4					
LPHEPBZ		580	306	IP		1044	12.64	0.44							1.0
LPHEPBN		580	306	IS		1045	7.33	0.24							1.0
LPHEPBE		580	306	IAML		1045	20.13		33	0.5					
BROLNBZ		677	331	IP		1044	23.62	-0.23							1.0
BROLNBE		677	331	IS		1045	26.94	-0.44							1.0
BROLNBN		677	331	IAML		1045	57.90		23	0.8					
KDWANBZ		680	299	IP		1044	24.01	-0.22							1.0
KDWANBN		680	299	IS		1045	27.34	-0.69							1.0
KDWANBN		680	299	IAML		1045	47.51		39	0.4					
SKOMABZ		692	287	IP		1044	26.37	0.69							1.0
SKOMABN		692	287	IS		1045	31.79	1.24							1.0
SKOMABN		692	287	IAML		1045	48.84		56	0.4					
KHWEEBZ		716	314	IP		1044	29.26	0.76							1.0
KHWEEBE		716	314	IS		1045	35.32	-0.14							1.0
KHWEEBE		716	314	IAML		1046	4.96		125	0.3					
PHPENBZ		770	277	IP		1044	35.22	0.37							1.0
PHPENBN		770	277	IS		1045	45.18	-1.33							1.0
PHPENBN		770	277	IAML		1046	8.77		193	0.5					
SOOWABZ		786	326	IP		1044	35.70	-1.06							1.0
SOOWABN		786	326	IS		1045	51.24	1.41							1.0
SOOWABN		786	326	IAML		1046	24.82		51	0.6					

**May 10 2020 Hour: 17:52 19.3 Lat: 27.19N Lon: 55.20E D:655.4 Ag: BGS Distant**  
**Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		5938	216	IP		18	0	40.08	-0.42						1.0
BROLNBZ		6126	212	IP		18	0	52.74	0.50						1.0
SOOWABZ		6135	214	IP		18	0	51.19	-1.61						0.9
MREMIBZ		6261	211	IP		18	1	1.96	1.44						0.9
KHWEEBZ		6307	213	IP		18	1	3.11	-0.30						1.0
LPHEPBZ		6419	212	IP		18	1	11.11	0.94						1.0
KDWANBZ		6485	213	IP		18	1	14.76	0.62						1.0
GRTLGBZ		6498	218	IP		18	1	14.53	-0.44						1.0
KGCAEBZ		6574	216	IP		18	1	20.58	1.06						1.0
SKOMABZ		6631	213	IP		18	1	21.77	-1.06						1.0
KOOLEBZ		6706	217	IP		18	1	28.32	0.98						1.0
MAKGRBZ		6706	212	IP		18	1	25.97	-1.35						0.9
PHPENBZ		6779	214	IP		18	1	31.10	-0.46						1.0



**May 10 2020 Hour: 18: 0 6.4 Lat: 19.14S Lon: 24.01E D:148.8 Ag: BGS Local**  
**Magnitudes: 2.9ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZBZ		191	40	IP		18	0	37.07	0.12						1.0
KSANEBN		191	40	IS		18	0	59.09	-0.48						1.0
KSANEBE		191	40	IAML		18	1	3.30		99	0.3				
SOOWABZ		280	125	IP		18	0	46.54	0.47						1.0
SOOWABE		280	125	IS		18	1	15.95	0.50						1.0
SOOWABE		280	125	IAML		18	1	20.06		177	0.7				
KHWEEBZ		345	155	IP		18	0	54.47	1.22						1.0
KHWEEBN		345	155	IS		18	1	27.71	-0.24						1.0
KHWEEBN		345	155	IAML		18	2	15.90		52	0.3				
BROLNBZ		410	123	IP		18	1	0.79	0.27						1.0
MREMIBZ		522	137	IP		18	1	13.01	-0.32						1.0
MREMIBN		522	137	IS		18	2	2.02	-0.85						1.0
MREMIBE		522	137	IAML		18	2	26.22		60	0.2				
SKOMABZ		596	181	IP		18	1	21.18	-0.70						1.0

**May 10 2020 Hour: 18: 5 25.5 Lat: 24.11S Lon: 66.45W D:644.4 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ		8684	110	IP		1816		19.77	-0.35						1.0
LKGWBBZ		8736	111	IP		1816		24.36	1.78						0.9
PHPENBZ		8835	113	IP		1816		27.08	-0.14						1.0
GRTLGBZ		8848	109	IP		1816		27.08	-0.81						1.0
KGCAEBZ		8881	110	IP		1816		29.17	-0.27						1.0
SKOMABZ		8975	113	IP		1816		33.76	-0.00						1.0
MAKGRBZ		9002	114	IP		1816		34.80	-0.20						1.0
KDWANBZ		9092	112	IP		1816		39.17	0.06						1.0
LPHEPBZ		9206	112	IP		1816		43.99	-0.24						1.0
KHWEEBZ		9228	111	IP		1816		45.04	-0.21						1.0
SOOWABZ		9362	110	IP		1816		51.93	0.76						1.0
KSANEZBZ		9381	107	IP		1816		52.35	0.30						1.0
MREMIBZ		9390	112	IP		1816		52.56	0.19						1.0
BROLNBZ		9445	111	IP		1816		54.23	-0.54						1.0

**May 11 2020 Hour: 12:50 56.4 Lat: 22.67S Lon: 25.22E D: 0.0 Ag: BGS Local**  
**Magnitudes: 1.9ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		83	16	IP		1251		9.51	-0.27						1.0
KHWEEBN		83	16	IS		1251		19.83	0.14						1.0
KHWEEBE		83	16	IAML		1251		21.58		163	0.3				
KDWANBZ		98	216	IP		1251		11.35	-0.82						1.0
KDWANBN		98	216	IS		1251		23.60	-0.25						1.0
KDWANBN		98	216	IAML		1251		26.22		50	0.2				
LPHEPBZ		101	140	IP		1251		13.19	0.46						1.0
LPHEPBN		101	140	IS		1251		24.68	-0.13						1.0
LPHEPBN		101	140	IAML		1251		28.35		21	0.3				
MREMIBZ		229	88	IP		1251		31.21	0.82						1.0
MREMIBN		229	88	IS		1251		54.99	-0.55						1.0
MREMIBE		229	88	IAML		1252		4.48		32	0.3				
SKOMABZ		243	212	IP		1251		33.00	0.82						1.0
SKOMABN		243	212	IS		1251		58.91	0.25						1.0
SKOMABN		243	212	IAML		1252		12.34		7	0.5				
SOOWABZ		255	24	IP		1251		34.25	0.68						1.0
SOOWABN		255	24	IS		1252		0.95	-0.12						1.0
SOOWABN		255	24	IAML		1252		11.48		16	0.6				
BROLNBZ		279	52	IP		1251		35.05	-1.53						1.0
BROLNBN		279	52	IS		1252		6.81	0.49						1.0
BROLNBE		279	52	IAML		1252		17.54		15	0.6				



May 11 2020 Hour: 12:50 57.0 Lat: 22.67S Lon: 25.23E D: 2.6 Ag: BGS Local  
 Magnitudes: 2.0ML BGS Rms: 0.9 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		83	16	IP		1251	10.38	-0.05							1.0
KHWEEBN		83	16	IS		1251	19.94	-0.42							1.0
KHWEEBN		83	16	IAML		1251	20.85		306	0.3					
KDWANBZ		98	216	IP		1251	13.27	0.43							1.0
KDWANBN		98	216	IS		1251	23.01	-1.53							1.0
KDWANBN		98	216	IAML		1251	26.11		49	0.2					
LPHEPBZ		101	140	IP		1251	13.80	0.54							1.0
LPHEPBE		101	140	IS		1251	25.47	0.20							1.0
LPHEPBN		101	140	IAML		1251	28.36		20	0.3					
MREMIBZ		228	88	IP		1251	30.83	0.17							1.0
MREMIBN		228	88	IS		1251	53.59	-1.96							1.0
MREMIBN		228	88	IAML		1252	4.61		31	0.3					
SKOMABZ		244	213	IP		1251	32.90	0.35							1.0
SKOMABE		244	213	IS		1251	59.40	0.56							1.0
SKOMABN		244	213	IAML		1252	12.33		7	0.5					
SOOWABZ		255	24	IP		1251	33.90	-0.02							1.0
SOOWABE		255	24	IS		1252	0.65	-0.57							1.0
SOOWABE		255	24	IAML		1252	17.57		21	0.7					
BROLNBZ		278	52	IP		1251	38.50	1.61							1.0
BROLNBE		278	52	IS		1252	7.07	0.68							1.0
BROLNBE		278	52	IAML		1252	17.53		15	0.6					

May 12 2020 Hour: 8: 7 12.6 Lat: 25.61S Lon: 29.54E D: 10.2 Ag: BGS Local  
 Magnitudes: 2.8ML BGS Rms: 0.9 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		398	327	IP		8 8	5.98	-0.53							1.0
MREMIBE		398	327	IS		8 8	46.54	0.11							1.0
LPHEPBZ		448	303	IP		8 8	13.29	0.62							1.0
LPHEPBN		448	303	IS		8 8	58.11	0.97							1.0
LPHEPBN		448	303	IAML		8 9	12.34		24	0.4					
MAKGRBZ		476	266	IP		8 8	15.79	-0.28							1.0
MAKGRBN		476	266	IS		8 9	4.00	0.95							1.0
MAKGRBE		476	266	IAML		8 9	10.55		130	0.4					
BROLNBZ		548	335	IP		8 8	23.37	-1.36							1.0
BROLNBN		548	335	IS		8 9	18.67	0.55							1.0
BROLNBN		548	335	IAML		8 9	57.39		7	0.4					
KDWANBZ		553	295	IP		8 8	25.98	0.66							1.0
KDWANBN		553	295	IS		8 9	18.41	-0.74							1.0
KDWANBN		553	295	IAML		8 9	51.01		22	0.4					
SKOMABZ		579	281	IP		8 8	27.54	-0.91							1.0
SKOMABN		579	281	IS		8 9	23.56	-1.04							1.0
SKOMABN		579	281	IAML		8 9	47.31		29	0.4					
KHWEEBZ		582	313	IP		8 8	30.66	1.81							1.0
KHWEEBE		582	313	IS		8 9	24.47	-0.82							1.0
KHWEEBE		582	313	IAML		8 9	55.08		59	0.3					

May 12 2020 Hour: 11:39 38.1 Lat: 26.33S Lon: 28.99E D: 0.0 Ag: BGS Local  
 Magnitudes: 2.4ML BGS Rms: 1.0 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		423	277	IP		1140	35.93	-0.22							1.0
MAKGRBN		423	277	IS		1141	20.37	1.25							1.0
MAKGRBN		423	277	IAML		1141	45.58		41	0.6					
MREMIBZ		445	339	IP		1140	38.74	-0.11							1.0
MREMIBE		445	339	IS		1141	24.65	0.84							1.0
MREMIBE		445	339	IAML		1141	43.56		41	0.3					
LPHEPBZ		456	315	IP		1140	38.48	-1.72							1.0
LPHEPBN		456	315	IS		1141	27.39	1.22							1.0
LPHEPBN		456	315	IAML		1141	47.72		6	0.7					
KDWANBZ		546	306	IP		1140	51.36	0.27							1.0
KDWANBN		546	306	IS		1141	44.92	-0.18							1.0

KDWANBN	546	306	IAML	1142	14.59					9	0.8	
SKOMABZ	547	291	IP	1140	50.61-0.58							1.0
SKOMABN	547	291	IS	1141	44.06-1.22							1.0
SKOMABN	547	291	IAML	1142	23.28					9	0.8	
BROLNBZ	603	343	IP	1140	58.92	0.85						1.0
BROLNBE	603	343	IS	1141	56.19-1.06							1.0
BROLNBE	603	343	IAML	1142	23.54					9	0.8	
KHWEEBZ	604	323	IP	1140	59.51	1.33						1.0
KHWEEBN	604	323	IS	1141	56.79-0.66							1.0
KHWEEBN	604	323	IAML	1142	35.11					23	0.6	

**May 12 2020 Hour: 12:55 33.1 Lat: 21.61S Lon: 25.60E D: 0.0 Ag: BGS Local**  
**Magnitudes: 1.5ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		40	203	IP		1255	38.86	-0.77							1.0
BROLNBZ		189	73	IP		1256	1.48	-0.67							1.0
BROLNBN		189	73	IS		1256	24.64	1.02							1.0
BROLNBE		189	73	IAML		1256	26.70				9	0.7			
MREMIBZ		218	119	IP		1256	5.07	-0.74							1.0
KDWANBZ		218	206	IP		1256	6.12	0.32							1.0
KDWANBN		218	206	IS		1256	30.80	0.84							1.0
KDWANBN		218	206	IAML		1256	34.25				7	0.5			

**May 12 2020 Hour: 13:18 47.2 Lat: 25.44S Lon: 29.53E D: 86.5 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		382	326	IP		1319	37.06	0.10							1.0
LPHEPBZ		438	301	IP		1319	43.52	0.00							1.0
MAKGRBZ		477	264	IP		1319	48.36	0.22							1.0
MAKGRBN		477	264	IS		1320	32.69	-0.51							1.0
BROLNBZ		531	334	IP		1319	53.40	-1.03							1.0
BROLNBE		531	334	IS		1320	44.33	0.17							1.0
BROLNBE		531	334	IAML		1320	49.42				10	0.4			
KDWANBZ		544	294	IP		1319	56.45	0.42							1.0
KDWANBE		544	294	IAML		1321	3.07				14	0.4			
KHWEEBZ		569	312	IP		1319	59.52	0.62							1.0

**May 12 2020 Hour: 16:29 58.7 Lat: 19.03S Lon: 25.58E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		143	342	IP		1630	21.12	-0.60							1.0
KSANEBN		143	342	IS		1630	39.04	0.30							1.0
KSANEBN		143	342	IAML		1630	44.28				184	0.2			
SOOWABZ		183	159	IP		1630	27.47	0.52							1.0
SOOWABE		183	159	IAML		1631	7.60				119	0.4			
BROLNBZ		294	142	IP		1630	40.66	-0.10							1.0
BROLNBE		294	142	IS		1631	11.65	-0.23							1.0
BROLNBN		294	142	IAML		1631	21.06				13	0.5			
MREMIBZ		438	154	IP		1630	59.37	0.76							1.0
MREMIBE		438	154	IAML		1632	7.08				71	0.3			
LPHEPBZ		481	177	IP		1631	3.65	-0.21							1.0
LPHEPBE		481	177	IAML		1632	29.98				8	0.4			
KDWANBZ		491	191	IP		1631	4.20	-0.92							1.0
GRTLGBZ		524	240	IP		1631	9.59	0.47							1.0

**May 12 2020 Hour: 22:42 44.8 Lat: 21.56S Lon: 154.79E D:700.0 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ12506		228		IP		23	0	3.76	-0.32						1.0
LPHEPBZ12593		231		IP		23	0	5.54	-0.01						1.0
BROLNBZ12623		234		IP		23	0	5.54	-0.53						1.0
SKOMABZ12665		229		IP		23	0	7.06	0.27						1.0
PHPENBZ12680		227		IP		23	0	7.45	0.41						1.0
KDWANBZ12688		230		IP		23	0	7.32	0.14						1.0





**May 14 2020 Hour: 15:26 45.2 Lat: 18.15S Lon: 26.85E D: 24.7 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZBZ	183	282	IP			1527	10.70	-0.42							1.0
KSANEBE	183	282	IS			1527	30.37	0.05							1.0
KSANEBN	183	282	IAML			1527	33.12		118	0.3					
SOOWABZ	276	194	IP			1527	21.93	-0.71							1.0
SOOWABE	276	194	IS			1527	49.16	-1.22							1.0
SOOWABE	276	194	IAML			1527	52.56		62	0.3					
BROLNBZ	331	171	IP			1527	30.09	0.57							1.0
BROLNBE	331	171	IS			1528	1.93	-0.41							1.0
BROLNBE	331	171	IAML			1528	17.07		12	0.3					
KHWEEBZ	446	199	IP			1527	44.13	0.50							1.0
KHWEEBN	446	199	IS			1528	28.14	1.25							1.0
KHWEEBE	446	199	IAML			1528	41.85		76	0.4					
KDWANBZ	623	201	IP			1528	5.48	0.39							1.0

**May 15 2020 Hour: 6:29 22.7 Lat: 16.48S Lon: 23.75E D: 17.0 Ag: BGS Local**  
**Magnitudes: 3.5ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRTLGBZ	603	206	IP			630	41.44	0.54							1.0
BROLNBZ	636	144	IP			630	43.98	-0.89							1.0
BROLNBN	636	144	IS			631	46.13	0.47							1.0
BROLNBN	636	144	IAML			632	17.30		18	0.6					
KGCAEBZ	724	193	IP			630	54.64	-0.82							1.0
LPHEPBZ	793	164	IP			631	4.74	1.14							1.0
LPHEPBN	793	164	IS			632	17.81	-0.44							1.0
LPHEPBE	793	164	IAML			633	16.51		15	0.3					
MAKGRBN	1039	174	IAML			632	42.02		969	0.6					

**May 15 2020 Hour: 11: 4 21.5 Lat: 41.56N Lon: 81.41W D: 15.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRTLGBZ12571		99	IP			1122	57.86	-0.42							1.0
KOOLEBZ12596		101	IP			1122	58.29	-0.44							1.0
KGCAEBZ12752		99	IP			1123	0.65	-0.74							1.0
SOOWABZ12932		95	IP			1123	4.10	-0.36							1.0
KHWEEBZ12960		96	IP			1123	4.71	-0.25							1.0
KDWANBZ12989		98	IP			1123	5.93	0.48							1.0
SKOMABZ13002		100	IP			1123	5.93	0.26							1.0
BROLNBZ13061		95	IP			1123	7.14	0.45							1.0
LPHEPBZ13087		98	IP			1123	7.34	0.21							1.0
MAKGRBZ13157		100	IP			1123	9.16	0.80							1.0

**May 15 2020 Hour: 16: 8 20.8 Lat: 26.42S Lon: 27.99E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.0ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	326	281	IP			16 9	5.87	-0.94							1.0
MAKGRBN	326	281	IS			16 9	40.26	-0.59							1.0
LPHEPBZ	401	327	IP			16 9	16.88	0.68							1.0
LPHEPBN	401	327	IS			16 9	56.93	-0.26							1.0
LPHEPBE	401	327	IAML			1610	10.55		42	0.5					
SKOMABZ	459	297	IP			16 9	23.66	0.38							1.0
SKOMABN	459	297	IS			1610	9.54	0.02							1.0
SKOMABN	459	297	IAML			1610	20.26		35	0.5					
KDWANBZ	476	314	IP			16 9	25.21	-0.11							1.0
KDWANBE	476	314	IS			1610	13.62	0.56							1.0
KDWANBE	476	314	IAML			1610	26.97		52	0.7					
PHPENBZ	524	280	IP			16 9	31.67	0.48							1.0
PHPENBE	524	280	IS			1610	23.92	0.65							1.0
PHPENBN	524	280	IAML			1610	35.05		278	0.5					
KHWEEBN	559	332	IS			1610	30.15	-0.44							1.0
KHWEEBE	559	332	IAML			1610	53.01		74	0.4					





KDWANBE	601	298	IAML	1231	45.58				67	0.6									
SKOMABZ	620	284	IP	1230	36.67-0.25														1.0
SKOMABE	620	284	IS	1231	34.00-0.93													1.0	
SKOMABN	620	284	IAML	1231	52.21				62	0.4									
KHWEEBZ	635	314	IP	1230	38.95 0.30													1.0	
PHPENBZ	706	273	IP	1230	46.06-0.99													1.0	
PHPENBE	706	273	IS	1231	53.05 0.50													1.0	
PHPENBE	706	273	IAML	1232	15.65				136	0.5									
SOOWABZ	707	327	IP	1230	46.55-0.62													1.0	
SOOWABE	707	327	IS	1231	52.63-0.12													1.0	
SOOWABE	707	327	IAML	1232	26.73				88	0.6									
KGCAEBZ	851	292	IP	1231	4.79 0.68													1.0	
KGCAEBE	851	292	IS	1232	22.00-0.24													1.0	
KGCAEBN	851	292	IAML	1232	58.17				42	0.5									
KOOLEBZ	1035	287	IP	1231	26.39 0.62													1.0	

**May 17 2020 Hour: 14:50 2.7 Lat: 24.51S Lon: 24.57E D: 22.6 Ag: BGS Local**  
**Magnitudes: 1.6ML BGS Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SKOMABZ		64	269	IP		1450	13.51	0.08							1.0
SKOMABE		64	269	IAML		1450	30.69			26	0.6				
KDWANBZ		125	4	IP		1450	21.56-0.10								1.0
KDWANBE		125	4	IAML		1450	42.85			12	0.3				
MAKGRBZ		146	171	IP		1450	24.05-0.28								1.0
MAKGRBN		146	171	IS		1450	40.47 0.16								1.0
MAKGRBN		146	171	IAML		1450	45.23			42	0.2				
LPHEPBZ		183	46	IP		1450	28.94 0.14								1.0
LPHEPBN		183	46	IAML		1450	52.71			7	0.5				

**May 17 2020 Hour: 15:38 49.4 Lat: 25.86S Lon: 30.84E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		605	269	IP		1540	10.19	0.60							1.0
BROLNBZ		637	325	IP		1540	13.65	0.16							1.0
BROLNBE		637	325	IS		1541	15.89	0.16							1.0
BROLNBE		637	325	IAML		1541	45.54			12	0.6				
KDWANBZ		683	292	IP		1540	18.10-0.92								1.0
KDWANBN		683	292	IAML		1541	39.56			12	1.0				
LKGWBBE		990	279	IAML		1542	45.85			17	0.8				

**May 18 2020 Hour: 4:18 35.2 Lat: 31.76N Lon: 24.80E D: 0.1 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		5851	177	IP		427	50.21-0.67								1.0
GRTLGBZ		5886	184	IP		427	53.40 0.15								1.0
KHWEEBZ		5939	179	IP		427	57.23 0.52								1.0
KGCAEBZ		6045	183	IP		428	3.56-0.15								1.0
KOOLEBZ		6074	185	IP		428	5.85 0.22								1.0
LPHEPBZ		6096	179	IP		428	7.39 0.36								1.0
KDWANBZ		6097	180	IP		428	7.39 0.30								1.0
LKGWBBZ		6190	184	IP		428	12.56-0.57								1.0
SKOMABZ		6224	181	IP		428	14.86-0.39								1.0
MAKGRBZ		6367	180	IP		428	24.63 0.21								1.0

**May 18 2020 Hour: 16:20 41.3 Lat: 18.38S Lon: 26.54E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZBZ		159	294	IP		1621	6.24-0.41								1.0
KSANEZBN		159	294	IS		1621	26.00 0.60								1.0
KSANEZBN		159	294	IAML		1621	28.78			162	0.2				
SOOWABZ		244	188	IP		1621	17.32 0.18								1.0
SOOWABE		244	188	IS		1621	44.44 0.78								1.0
SOOWABE		244	188	IAML		1621	52.09			90	0.4				
BROLNBZ		312	165	IP		1621	26.97 1.32								1.0





**May 19 2020 Hour: 11:42 3.6 Lat: 23.80S Lon: 27.60E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.0ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		184	285	IP		1142	31.88	-0.16							1.0
LPHEPBN		184	285	IS		1142	52.74	-0.35							1.0
LPHEPBE		184	285	IAML		1142	57.91			33	0.5				
BROLNBZ		300	355	IP		1142	45.79	-0.67							1.0
BROLNBE		300	355	IS		1143	18.61	0.44							1.0
BROLNBE		300	355	IAML		1143	32.86			11	0.6				
KDWANBZ		304	278	IP		1142	47.62	0.74							1.0

**May 20 2020 Hour: 17:14 20.0 Lat: 84.63N Lon: 152.93E D: 0.1 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12603		305	IP		1732	59.64	-0.63							1.0
BROLNBZ	12653		304	IP		1733	1.03	-0.11							1.0
GRTLGBZ	12733		310	IP		1733	1.69	-0.86							1.0
KHWEEBZ	12762		306	IP		1733	3.18	0.15							1.0
KGCAEBZ	12889		309	IP		1733	5.42	0.19							1.0
LPHEPBZ	12915		305	IP		1733	6.10	0.45							1.0
KOOLEBZ	12920		311	IP		1733	6.26	0.45							1.0
KDWANBZ	12927		306	IP		1733	6.01	0.15							1.0
SKOMABZ	13058		307	IP		1733	8.22	0.10							1.0
MAKGRBZ	13193		306	IP		1733	10.55	0.07							1.0

**May 20 2020 Hour: 23:43 11.2 Lat: 35.55N Lon: 20.11E D: 0.1 Ag: BGS Distant**  
**Rms: 0.3 secs**

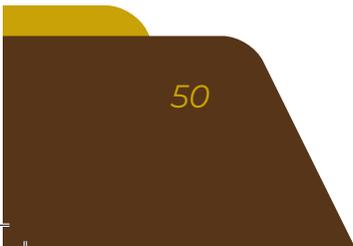
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	5923		174	IP		2352	31.30	-0.36							1.0
SOOWABZ	6238		173	IP		2352	52.35	0.17							1.0
GRTLGBZ	6294		179	IP		2352	55.86	0.05							1.0
BROLNBZ	6310		172	IP		2352	56.67	-0.16							1.0
KHWEEBZ	6383		174	IP		2353	1.57	0.14							1.0
KGCAEBZ	6462		178	IP		2353	7.01	0.56							1.0
KOOLEBZ	6474		180	IP		2353	7.17	-0.03							1.0
KDWANBZ	6534		175	IP		2353	10.96	0.00							1.0
LPHEPBZ	6543		174	IP		2353	11.94	0.45							1.0
LKGWBBZ	6599		179	IP		2353	14.71	-0.28							1.0
SKOMABZ	6654		176	IP		2353	18.29	-0.13							1.0
PHPENBZ	6755		177	IP		2353	24.51	-0.08							1.0
MAKGRBZ	6803		175	IP		2353	27.29	-0.32							1.0

**May 21 2020 Hour: 11:55 29.9 Lat: 23.64S Lon: 27.30E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.1ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		150	282	IP		1155	52.61	-1.39							1.0
LPHEPBN		150	282	IS		1156	12.70	0.86							1.0
LPHEPBE		150	282	IAML		1156	18.10			40	0.8				
KDWANBZ		271	276	IP		1156	8.50	-0.57							1.0
KDWANBE		271	276	IS		1156	37.86	-0.20							1.0
KDWANBE		271	276	IAML		1156	56.86			23	0.5				
MAKGRBZ		348	226	IP		1156	19.21	0.47							1.0
MAKGRBN		348	226	IS		1156	55.06	0.18							1.0
SOOWABZ		359	342	IP		1156	20.64	0.64							1.0

**May 21 2020 Hour: 12:57 35.3 Lat: 9.25S Lon: 24.03E D: 82.3 Ag: BGS Local**  
**Magnitudes: 5.1ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		954	173	IP		1259	31.78	-0.48							1.0
KSANEBE		954	173	IS		13 0	57.96	-0.83							1.0
KSANEBN		954	173	IAML		13 2	4.90			808	0.7				
SOOWABZ		1273	170	IP		13 0	10.44	0.56							0.8
SOOWABE		1273	170	IS		13 2	3.74	-0.51							0.8



SOOWABN	1273	170	IAML	13	3	39.72			1126	0.6					
BROLNBZ	1358	165	IP	13	0	20.25	0.40								0.8
BROLNBE	1358	165	IS	13	2	21.66	0.07								0.8
BROLNBN	1358	165	IAML	13	3	49.37			291	0.6					
GRTLGBZ	1374	192	IP	13	0	20.47	-1.23								0.8
KHWEEBZ	1413	174	IP	13	0	26.95	0.64								0.7
KHWEEBE	1413	174	IS	13	2	34.19	1.35								0.7
KHWEEBE	1413	174	IAML	13	4	10.10			806	0.6					
KGCAEBZ	1518	187	IP	13	0	39.57	0.90								0.6
KGCAEBN	1518	187	IS	13	2	55.58	1.24								0.6
KGCAEBN	1518	187	IAML	13	4	38.33			508	0.7					
KDWANBZ	1565	178	IP	13	0	44.66	0.45								0.6
LPHEPBZ	1574	173	IP	13	0	45.39	0.16								0.6
LPHEPBE	1574	173	IS	13	3	5.19	-0.58								0.6
LPHEPBE	1574	173	IAML	13	4	53.32			127	0.7					
KOOLEBZ	1575	195	IP	13	0	44.62	-0.77								0.6
LKGWBBZ	1672	190	IP	13	0	56.46	-0.33								0.5
LKGWBBN	1672	190	IS	13	3	26.14	0.28								0.5
LKGWBBN	1672	190	IAML	13	5	43.09			277	1.0					
MAKGRBZ	1835	178	IP	13	1	16.80	0.83								0.3

May 22 2020 Hour: 3:48 53.2 Lat: 22.25S Lon: 19.36E D:308.9 Ag: BGS Local  
Rms:14.9 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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May 23 2020 Hour: 15:42 7.5 Lat: 25.65S Lon: 30.07E D: 30.8 Ag: BGS Local  
Magnitudes: 2.8ML BGS Rms: 0.7 secs

LPHEPBZ	496	300	IP			1543	11.87	0.26							1.0
MAKGRBZ	529	267	IP			1543	13.84	-1.79							1.0
BROLNBZ	576	330	IP			1543	21.50	0.18							1.0
BROLNBE	576	330	IS			1544	15.40	-0.51							1.0
BROLNBN	576	330	IAML			1544	54.50		10	0.5					
KDWANBZ	602	293	IP			1543	24.81	0.25							1.0
SKOMABZ	631	280	IP			1543	28.93	0.88							1.0
SKOMABE	631	280	IS			1544	27.54	-0.08							1.0
SKOMABE	631	280	IAML			1544	47.00		15	0.4					
SOOWABZ	687	324	IP			1543	34.95	0.21							1.0
PHPENBZ	724	270	IP			1543	39.41	0.25							1.0
PHPENBE	724	270	IS			1544	47.32	0.35							1.0
PHPENBN	724	270	IAML			1545	7.89		93	0.4					

May 23 2020 Hour: 22:49 43.3 Lat: 38.08N Lon: 26.14E D: 0.0 Ag: BGS Distant  
Rms: 0.5 secs

BROLNBZ	6546	179	IP			2259	43.01	-0.82							1.0
GRTLGBZ	6594	185	IP			2259	46.44	-0.40							1.0
KHWEEBZ	6639	181	IP			2259	50.51	0.90							1.0
KGCAEBZ	6751	184	IP			2259	56.94	0.39							1.0
KOOLEBZ	6782	186	IP			2259	58.66	0.16							1.0
LPHEPBZ	6795	180	IP			2259	59.73	0.53							1.0
KDWANBZ	6799	182	IP			2259	59.09	-0.34							1.0
LKGWBBZ	6897	185	IP			23	0	5.30	-0.13						1.0
SKOMABZ	6926	182	IP			23	0	7.45	0.30						1.0
PHPENBZ	7037	183	IP			23	0	13.23	-0.56						1.0
MAKGRBZ	7067	181	IP			23	0	15.59	-0.02						1.0

May 23 2020 Hour: 23:1 33.5 Lat: 12.03S Lon: 72.67E D: 0.1 Ag: BGS Distant  
Rms: 0.2 secs

BROLNBZ	4926	252	IP			23	9	44.90	-0.07						1.0
KDWANBZ	5222	249	EP			2310	6.02	-0.01							1.0
MAKGRBZ	5238	246	IP			2310	6.97	-0.22							1.0
SKOMABZ	5308	248	IP			2310	12.27	0.21							1.0

KGCAEBZ 5468 250 IP 2310 23.60 0.43 1.0  
 GRTLGBZ 5561 252 IP 2310 29.47-0.15 1.0  
 KOOLEBZ 5675 250 IP 2310 37.14-0.18 1.0

**May 24 2020 Hour: 6: 3 22.1 Lat: 18.24S Lon: 26.70E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.8ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANE	BZ	170	287	IP		6	3	49.24							1.0
KSANE	BN	170	287	IS		6	4	8.39-0.05							1.0
KSANE	BN	170	287	IAML		6	4	12.03		285	0.2				1.0
SOOWA	BZ	262	191	IP		6	3	59.52-0.59							1.0
SOOWA	BN	262	191	IS		6	4	28.31							1.0
SOOWA	BN	262	191	IAML		6	4	32.99		199	0.3				1.0
BROLNB	Z	323	168	IP		6	4	8.01							1.0
BROLNB	E	323	168	IS		6	4	42.04							1.0
BROLNB	E	323	168	IAML		6	4	48.35		99	0.5				1.0
KHWEE	BZ	430	198	IP		6	4	20.93-0.15							1.0
KHWEE	BE	430	198	IS		6	5	5.18							1.0
KHWEE	BE	430	198	IAML		6	5	23.73		129	0.3				1.0
LPHEPB	Z	574	189	IP		6	4	38.34-0.09							1.0
LPHEPB	N	574	189	IS		6	5	34.76-0.19							1.0
LPHEPB	N	574	189	IAML		6	5	54.60		6	0.7				1.0
KDWAN	BZ	607	200	IP		6	4	42.44-0.05							1.0
SKOMAB	Z	751	202	IP		6	4	59.23-0.59							1.0

**May 24 2020 Hour: 9:11 20.0 Lat: 29.96N Lon: 54.16E D: 0.0 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNB	Z	6335	210	IP		921		6.75-0.53							1.0
LPHEPB	Z	6627	210	IP		921		26.23							1.0
KDWAN	BZ	6688	211	IP		921		30.20							1.0
KGCAEB	Z	6766	214	IP		921		34.35							1.0
SKOMAB	Z	6834	211	IP		921		37.96-0.42							1.0
KOOLEB	Z	6890	216	IP		921		41.75-0.12							1.0
MAKGRB	Z	6917	210	IP		921		43.19-0.20							1.0
PHPENB	Z	6981	212	IP		921		47.16-0.07							1.0

**May 24 2020 Hour: 14:42 25.2 Lat: 19.10S Lon: 16.10E D: 0.0 Ag: BGS Regional**  
**Magnitudes: 4.3ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRTLGB	Z	590	116	IP		1443		43.08-0.59							1.0
KOOLEB	Z	606	136	IP		1443		45.00-0.58							1.0
KOOLEB	N	606	136	IS		1444		45.22							1.0
KOOLEB	N	606	136	IAML		1445		13.81		823	0.4				1.0
KGCAEB	Z	759	124	IP		1444		3.27-0.66							1.0
KGCAEB	E	759	124	IS		1445		16.80-0.15							1.0
KGCAEB	N	759	124	IAML		1445		58.24		737	0.6				1.0
KSANE	BZ	968	83	IP		1444		28.96							1.0
KSANE	BN	968	83	IS		1445		59.44-0.22							1.0
KSANE	BN	968	83	IAML		1447		4.97		170	0.6				1.0
PHPENB	Z	992	137	IP		1444		31.22-0.05							1.0
KDWAN	BZ	1007	120	IP		1444		33.49							1.0
SKOMAB	Z	1008	128	IP		1444		32.82-0.33							1.0
SKOMAB	N	1008	128	IS		1446		8.15							1.0
SKOMAB	E	1008	128	IAML		1447		1.07		100	0.6				1.0
SOOWA	BZ	1072	100	IP		1444		41.34							1.0
SOOWA	BE	1072	100	IS		1446		20.89-0.11							1.0
SOOWA	BE	1072	100	IAML		1447		34.02		258	0.6				1.0
LPHEPB	Z	1118	117	IP		1444		46.80							1.0
MAKGRB	Z	1164	131	IP		1444		52.21							0.9
BROLNB	Z	1195	103	IP		1444		54.47-0.78							0.9

**May 24 2020 Hour: 14:42 14.4 Lat: 18.51S Lon: 15.54E D: 0.0 Ag: BGS Local**  
**Magnitudes: 4.4ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRTLGBZ		672	119	IP		1443	42.25	-0.45							1.0
GRTLGBN		672	119	IS		1444	47.65	-0.43							1.0
GRTLGBE		672	119	IAML		1445	6.47		1014						
KOOLEBZ		693	136	IP		1443	44.98	-0.28							1.0
KOOLEBE		693	136	IS		1444	52.60	0.07							1.0
KOOLEBE		693	136	IAML		1445	3.59		700	0.5					
KGCAEBZ		844	126	IP		1444	3.54	0.49							1.0
KGCAEBE		844	126	IS		1445	23.28	-0.20							1.0
KGCAEBE		844	126	IAML		1446	2.41		483	0.4					
KSANEBZ		1021	87	IP		1444	24.55	0.76							1.0
KSANEBN		1021	87	IS		1445	59.92	0.35							1.0
KSANEBE		1021	87	IAML		1447	6.70		142	0.9					
PHPENBZ		1079	137	IP		1444	30.96	0.31							1.0
PHPENBE		1079	137	IS		1446	11.74	0.23							1.0
PHPENBN		1079	137	IAML		1447	6.60		471	0.5					
KDWANBZ		1090	121	IP		1444	31.51	-0.48							1.0
KDWANBE		1090	121	IS		1446	14.02	0.17							1.0
KDWANBE		1090	121	IAML		1447	7.10		172	0.8					
SKOMABZ		1094	129	IP		1444	31.90	-0.49							1.0
KHWEEBZ		1102	112	IP		1444	32.55	-0.84							1.0
KHWEEBN		1102	112	IS		1446	16.55	0.27							1.0
KHWEEBN		1102	112	IAML		1447	6.39		447	0.4					
SOOWABZ		1143	103	IP		1444	38.45	0.30							1.0
SOOWABN		1143	103	IS		1446	24.38	-0.19							1.0
SOOWABE		1143	103	IAML		1447	34.05		262	0.7					
LPHEPBZ		1199	118	IP		1444	44.95	0.12							0.9
LPHEPBN		1199	118	IS		1446	36.90	0.72							0.9
LPHEPBE		1199	118	IAML		1447	36.04		46	0.9					
MAKGRBZ		1250	132	IP		1444	51.53	0.70							0.9
MAKGRBE		1250	132	IS		1446	46.88	0.26							0.9
MAKGRBE		1250	132	IAML		1447	44.97		147	0.5					
BROLNBE		1268	105	IS		1446	48.86	-1.32							0.8
BROLNBN		1268	105	IAML		1447	55.98		106	0.8					
BROLNBZ		1268	105	IP		1444	52.80	-0.07							0.8

**May 24 2020 Hour: 19:15 24.6 Lat: 35.47N Lon: 71.93E D: 0.4 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		7825	224	IP		1926	40.20	-0.33							1.0
KHWEEBZ		8019	225	IP		1926	51.20	0.09							1.0
LPHEPBZ		8116	224	IP		1926	56.40	0.13							1.0
KDWANBZ		8193	225	IP		1927	0.48	0.09							1.0
GRTLGBZ		8249	229	IP		1927	3.69	0.26							1.0
KGCAEBZ		8308	227	IP		1927	6.91	0.45							1.0
SKOMABZ		8338	224	IP		1927	7.77	-0.16							1.0
MAKGRBZ		8395	223	IP		1927	10.99	0.07							1.0
KOOLEBZ		8454	228	IP		1927	13.46	-0.60							1.0

**May 24 2020 Hour: 23:24 41.0 Lat: 55.50S Lon: 37.83W D: 0.0 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ		5925	77	IP		2334	2.13	-0.06							1.0
SKOMABZ		6023	82	IP		2334	8.20	-0.45							1.0
KGCAEBZ		6061	79	IP		2334	11.52	0.35							1.0
GRTLGBZ		6132	77	IP		2334	15.63	-0.18							1.0
KDWANBZ		6168	81	IP		2334	18.57	0.46							1.0
LPHEPBZ		6244	82	IP		2334	23.06	0.00							1.0
BROLNBZ		6535	82	IP		2334	41.45	-0.13							1.0



**May 26 2020 Hour: 8:33 26.7 Lat: 26.23S Lon: 21.75E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.8ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		309	82	IP		834	10.71	0.16							1.0
MAKGRBE		309	82	IS		834	43.61	0.59							1.0
MAKGRBE		309	82	IAML		834	50.76		1130	0.6					
KGCAEBZ		376	7	IP		834	19.75	0.79							1.0
KDWANBZ		431	44	IP		834	25.82	0.08							1.0
KDWANBN		431	44	IAML		836	5.18		23	0.4					
LPHEPBZ		522	54	IP		834	35.49	-1.33							1.0
LPHEPBN		522	54	IS		835	28.62	-0.12							1.0
LPHEPBE		522	54	IAML		835	54.94		12	0.4					
BROLNBZ		804	46	IP		835	10.42	-0.16							1.0
BROLNBE		804	46	IAML		837	2.52		9	0.7					

**May 26 2020 Hour: 9:32 51.7 Lat: 28.09S Lon: 25.55E D:264.0 Ag: BGS Local**  
**Magnitudes: 3.1ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		263	343	IP		933	38.13	0.75							1.0
MAKGRBE		263	343	IAML		934	19.05		280	0.5					
PHPENBZ		394	317	IP		933	48.77	-0.87							1.0
LPHEPBZ		524	4	IP		934	2.13	-1.04							1.0
LPHEPBN		524	4	IS		934	56.18	0.12							1.0
LPHEPBE		524	4	IAML		935	23.19		26	0.3					
KDWANBZ		529	350	IP		934	3.23	-0.44							1.0
KDWANBN		529	350	IAML		935	27.28		48	0.5					
LKGWBBZ		617	315	IP		934	14.07	0.78							1.0
LKGWBBN		617	315	IAML		936	1.85		50	0.5					
BROLNBZ		795	14	IP		934	33.70	0.60							1.0
BROLNBE		795	14	IAML		936	30.75		17	0.7					
SOOWABZ		836	5	IP		934	37.87	0.10							1.0

**May 26 2020 Hour: 11:56 41.8 Lat: 25.16S Lon: 27.20E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		241	325	IP		1157	17.80	0.47							1.0
LPHEPBN		241	325	IS		1157	43.81	0.21							1.0
LPHEPBE		241	325	IAML		1157	47.53		32	0.3					
MAKGRBZ		252	253	IP		1157	18.19	-0.54							1.0
MAKGRBN		252	253	IS		1157	46.43	0.39							1.0
MAKGRBN		252	253	IAML		1157	50.61		76	0.4					
KDWANBZ		325	307	IP		1157	26.94	-0.77							1.0
BROLNBZ		450	2	IP		1157	43.98	0.81							1.0
BROLNBE		450	2	IS		1158	27.99	-0.57							1.0
BROLNBN		450	2	IAML		1158	34.01		5	0.2					

**May 26 2020 Hour: 16:36 16.7 Lat: 21.60S Lon: 32.82E D:369.8 Ag: BGS Local**  
**Magnitudes: 3.3ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		571	275	IP		1637	38.75	-0.21							1.0
BROLNBE		571	275	IS		1638	39.71	-0.11							1.0
BROLNBN		571	275	IAML		1639	13.17		26	0.8					
SOOWABZ		695	278	IP		1637	52.86	1.16							1.0
SOOWABN		695	278	IS		1639	1.53	-0.46							1.0
SOOWABN		695	278	IAML		1639	57.03		416	0.6					
LPHEPBZ		742	253	IP		1637	56.27	-0.40							1.0
LPHEPBE		742	253	IS		1639	11.21	0.57							1.0
LPHEPBN		742	253	IAML		1640	19.10		12	0.4					
KDWANBZ		862	255	IP		1638	9.09	-0.55							1.0



**May 27 2020 Hour: 7: 9 31.8 Lat: 25.89S Lon: 159.17E D: 0.7 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	12496	224	IP			728	9.55	0.01							1.0
LPHEPBZ	12612	227	IP			728	11.54	0.02							1.0
SKOMABZ	12660	225	IP			728	11.41	-0.92							1.0
BROLNBZ	12675	230	IP			728	12.49	-0.11							1.0
KDWANBZ	12698	226	IP			728	13.71	0.72							1.0
LKGWBBZ	12880	223	IP			728	16.41	0.26							1.0

**May 27 2020 Hour: 13:57 56.7 Lat: 26.02S Lon: 29.53E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.5ML BGS**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	474	308	IP			1359	1.12	0.18							1.0
MAKGRBZ	474	272	IP			1359	1.59	0.55							1.0
MAKGRBN	474	272	IS			1359	49.29	0.63							1.0
MAKGRBN	474	272	IAML			14	0	3.95		500	0.5				
KDWANBZ	573	300	IP			1359	12.32	-0.63							1.0
SKOMABZ	588	285	IP			1359	15.10	0.33							1.0
BROLNBZ	589	337	IP			1359	15.58	0.67							1.0
BROLNBN	589	337	IS			14	0	13.06	0.26						1.0
BROLNBN	589	337	IAML			14	0	49.01		33	0.7				
KHWEEBZ	613	316	IP			1359	17.89	0.05							1.0
SOOWABZ	692	330	IP			1359	26.70	-0.75							1.0
SOOWABE	692	330	IS			14	0	34.96	0.34						1.0
SOOWABE	692	330	IAML			14	1	14.47		121	0.5				
KGCAEBZ	821	294	IP			1359	41.78	-0.86							1.0
KGCAEBN	821	294	IS			14	1	0.27	-0.78						1.0
KGCAEBE	821	294	IAML			14	1	48.60		57	0.7				

**May 27 2020 Hour: 21:11 25.3 Lat: 24.87S Lon: 59.04E D:671.5 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	3270	271	IP			2116	38.71	0.11							1.0
LPHEPBZ	3369	266	IP			2116	46.27	0.14							1.0
KHWEEBZ	3441	268	IP			2116	51.19	-0.38							1.0
KDWANBZ	3490	265	IP			2116	55.83	0.55							1.0
SKOMABZ	3543	263	IP			2116	58.97	-0.34							1.0
KGCAEBZ	3748	266	IP			2117	14.26	-0.39							1.0
GRTLGBZ	3882	268	IP			2117	24.63	-0.02							1.0
KOOLEBZ	3947	265	IP			2117	29.77	0.33							1.0

**May 28 2020 Hour: 7:18 19.2 Lat: 7.73S Lon: 168.73W D: 15.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	16047	201	IP			737	54.21	0.25							1.0
SKOMABZ	16213	201	IP			737	56.12	-0.36							1.0
LPHEPBZ	16248	204	IP			737	57.40	0.39							1.0
KDWANBZ	16299	203	IP			737	57.40	-0.39							1.0
LKGWBBZ	16351	197	IP			737	58.16	-0.43							1.0
BROLNBZ	16396	209	IP			737	59.31	0.08							1.0
KGCAEBZ	16449	199	IP			737	59.18	-0.86							1.0
KOOLEBZ	16501	196	IP			738	1.60	0.77							1.0
SOOWABZ	16505	207	IP			738	1.35	0.53							1.0
GRTLGBZ	16640	198	IP			738	3.26	0.46							1.0
KSANEBZ	16826	208	IP			738	4.91	-0.46							1.0



**May 28 2020 Hour: 11:35 54.9 Lat: 23.74S Lon: 27.52E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		175	283	IP		1136	21.67	-0.49							1.0
LPHEPBN		175	283	IS		1136	41.88	-0.47							1.0
LPHEPBE		175	283	IAML		1136	46.85			34	0.5				
KHWEEBZ		291	312	IP		1136	36.85	0.25							1.0
KHWEEBE		291	312	IS		1137	8.01	0.55							1.0
KHWEEBE		291	312	IAML		1137	20.69			120	0.3				
BROLNBZ		293	356	IP		1136	36.54	-0.23							1.0
BROLNBE		293	356	IS		1137	7.74	-0.03							1.0
BROLNBN		293	356	IAML		1137	37.29			7	0.9				
KDWANBZ		295	277	IP		1136	36.73	-0.35							1.0
SKOMABZ		375	256	IP		1136	47.81	0.77							1.0

**May 28 2020 Hour: 15:33 35.8 Lat: 26.84S Lon: 27.69E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.2ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		310	291	IP		1534	18.94	-0.96							1.0
MAKGRBN		310	291	IS		1534	51.52	-0.99							1.0
MAKGRBE		310	291	IAML		1534	55.13			332	0.5				
LPHEPBZ		427	334	IP		1534	33.65	-0.79							1.0
SKOMABZ		457	304	IP		1534	38.50	0.48							1.0
KDWANBZ		490	321	IP		1534	42.64	0.56							1.0
KDWANBE		490	321	IS		1535	31.76	0.66							1.0
KDWANBE		490	321	IAML		1535	38.34			42	0.7				
PHPENBZ		506	286	IP		1534	45.00	0.98							1.0
PHPENBN		506	286	IS		1535	34.85	0.37							1.0
PHPENBE		506	286	IAML		1535	51.46			107	0.6				
KHWEEBZ		588	337	IP		1534	53.75	-0.19							1.0
KHWEEBE		588	337	IS		1535	51.60	-0.13							1.0
KHWEEBE		588	337	IAML		1536	4.65			114	0.4				

**May 29 2020 Hour: 11: 1 2.8 Lat: 20.79S Lon: 21.67E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.9ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KGCAEBZ		235	166	IP		11	1	38.07	0.45						1.0
KHWEEBZ		412	109	IP		11	1	58.96	-0.62						1.0
KHWEEBN		412	109	IS		11	2	41.77	0.19						1.0
KHWEEBE		412	109	IAML		11	3	58.95		159	0.3				
KDWANBZ		422	133	IP		11	2	1.18	0.45						1.0
KDWANBN		422	133	IS		11	2	43.96	0.38						1.0
KDWANBE		422	133	IAML		11	3	44.17		48	0.6				
LPHEPBZ		518	124	IP		11	2	11.71	-0.74						1.0
LPHEPBN		518	124	IS		11	3	3.59	-0.38						1.0
LPHEPBN		518	124	IAML		11	3	19.87		26	0.4				
BROLNBZ		590	94	IP		11	2	21.93	0.73						1.0
BROLNBE		590	94	IAML		11	3	51.25		29	0.3				
MAKGRBZ		642	151	IP		11	2	27.03	-0.46						1.0

**May 29 2020 Hour: 11:27 15.6 Lat: 25.84S Lon: 30.15E D: 23.3 Ag: BGS Local**  
**Magnitudes: 3.1ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		514	301	IP		1128	22.01	-0.43							1.0
LPHEPBN		514	301	IS		1129	11.67	-0.20							1.0
LPHEPBE		514	301	IAML		1129	13.33			24	0.5				
MAKGRBZ		536	269	IP		1128	25.05	-0.08							1.0
MAKGRBE		536	269	IS		1129	15.76	-0.81							1.0
MAKGRBN		536	269	IAML		1129	18.63			129	0.4				
BROLNBZ		599	331	IP		1128	32.66	-0.10							1.0
BROLNBE		599	331	IS		1129	28.90	-0.93							1.0
BROLNBN		599	331	IAML		1129	47.44			14	0.5				
KDWANBZ		619	295	IP		1128	35.50	0.33							1.0



KDWANBN	619	295	IS	1129	33.94	-0.09											1.0
KDWANBE	619	295	IAML	1129	40.09				35	0.6							
SKOMABZ	643	282	IP	1128	38.14	0.01											1.0
SKOMABN	643	282	IS	1129	39.88	0.69											1.0
SKOMABN	643	282	IAML	1129	54.85				56	0.6							
KHWEEBZ	644	311	IP	1128	38.98	0.70											1.0
KHWEEBN	644	311	IS	1129	39.37	-0.07											1.0
KHWEEBE	644	311	IAML	1129	59.01				93	0.4							
SOOWABZ	710	325	IP	1128	46.36	0.29											1.0
SOOWABE	710	325	IS	1129	53.68	0.68											1.0
SOOWABE	710	325	IAML	1130	14.94				43	0.7							
PHPENBZ	733	272	IP	1128	48.29	-0.52											1.0
PHPENBE	733	272	IS	1129	58.29	0.53											1.0
PHPENBN	733	272	IAML	1130	25.16				67	0.5							

**May 29 2020 Hour: 19: 3 7.2 Lat: 24.80S Lon: 27.67E D: 31.4 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	243	310	IP			19	3	39.68	-0.58						1.0
LPHEPBN	243	310	IS			19	4	4.39	-0.33						1.0
LPHEPBE	243	310	IAML			19	4	7.59		13	0.3				
MAKGRBZ	310	248	IP			19	3	47.63	-0.97						1.0
MAKGRBE	310	248	IS			19	4	19.27	0.05						1.0
MAKGRBE	310	248	IAML			19	4	21.83		95	0.6				
KDWANBZ	344	297	IP			19	3	53.59	0.81						1.0
SKOMABZ	380	274	IP			19	3	58.21	0.99						1.0
BROLNBZ	411	355	IP			19	4	1.11	0.11						1.0
BROLNBE	411	355	IS			19	4	40.73	-0.07						1.0
BROLNBE	411	355	IAML			19	5	0.47		11	0.4				

**May 29 2020 Hour: 21:57 4.4 Lat: 26.53S Lon: 24.43E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	88	25	IP			2157	17.65	-0.83							1.0
MAKGRBN	88	25	IS			2157	28.92	-0.01							1.0
MAKGRBE	88	25	IAML			2157	31.68			220	0.2				
PHPENBZ	196	306	IP			2157	34.76	0.45							1.0
PHPENBN	196	306	IAML			2158	19.51			98	0.2				
SKOMABZ	229	347	IP			2157	38.61	0.29							1.0
SKOMABN	229	347	IAML			2158	20.59			16	0.2				
KDWANBZ	350	4	IP			2157	53.70	0.36							1.0
KDWANBN	350	4	IS			2158	29.56	-0.01							1.0
KDWANBN	350	4	IAML			2158	45.41			30	0.4				
LPHEPBZ	379	23	IP			2157	56.93	-0.07							1.0
LPHEPBE	379	23	IAML			2158	43.44			16	0.3				
LKGWBBZ	420	309	IP			2158	1.09	-1.03							1.0
LKGWBBN	420	309	IS			2158	44.90	0.05							1.0
LKGWBBN	420	309	IAML			2159	9.39			20	0.4				
KHWEEBZ	518	12	IP			2158	14.79	0.80							1.0
KHWEEBN	518	12	IAML			2159	31.87			71	0.3				

**May 31 2020 Hour: 5: 9 25.1 Lat: 18.94S Lon: 70.78W D: 15.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	9309	112	IP			521	53.99	0.35							1.0
GRTLGBZ	9465	111	IP			521	59.97	-0.76							1.0
KGCAEBZ	9510	112	IP			522	2.59	-0.14							1.0
SKOMABZ	9617	115	IP			522	7.62	0.15							1.0
MAKGRBZ	9653	116	IP			522	9.49	0.44							1.0
KDWANBZ	9729	114	IP			522	12.59	0.23							1.0
LPHEPBZ	9845	114	IP			522	17.18	-0.13							1.0
KHWEEBZ	9858	113	IP			522	17.44	-0.45							1.0
KSANEBZ	9985	109	IP			522	24.11	0.86							1.0
BROLNBZ	10074	112	IP			522	26.43	-0.54							1.0



**May 31 2020 Hour: 9:22 34.6 Lat: 22.65S Lon: 24.21E D: 5.3 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KDWANBZ		94	150	IP		922	50.40	0.68							1.0
KDWANBN		94	150	IS		923	0.15-0.77								1.0
KDWANBE		94	150	IAML		923	1.88		36	0.3					
KHWEEBZ		150	59	IP		922	57.53-0.64								1.0
KHWEEBE		150	59	IS		923	15.60-0.02								1.0
KHWEEBE		150	59	IAML		923	17.80		99	0.4					
LPHEPBZ		187	115	IP		923	3.62	0.79							1.0
LPHEPBN		187	115	IS		923	23.77	0.04							1.0
LPHEPBN		187	115	IAML		923	26.00		24	0.3					
KGCAEBZ		207	263	IP		923	5.45	0.18							1.0
KGCAEBN		207	263	IS		923	27.63-0.34								1.0
KGCAEBN		207	263	IAML		923	38.86		191	0.3					
LKGWBZE		346	241	IS		923	58.19	0.10							1.0
LKGWBZN		346	241	IAML		924	5.58		61	0.3					

**May 31 2020 Hour: 14: 4 13.1 Lat: 25.28S Lon: 29.35E D: 57.8 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.4 secs**

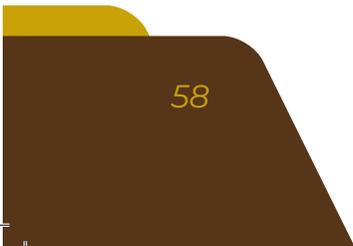
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBE		413	300	IAML		14 6	11.97			5	0.6				
MAKGRBZ		461	262	IP		14 5	11.73-0.69								1.0
BROLNBZ		507	336	IP		14 5	17.65-0.33								1.0
BROLNBN		507	336	IAML		14 6	47.45		4	0.4					
KDWANBZ		520	293	IP		14 5	19.97	0.38							1.0
KDWANBE		520	293	IAML		14 6	34.25		14	0.7					
SKOMABZ		553	278	IP		14 5	24.09	0.52							1.0
GRTLGBZ		938	296	IP		14 6	9.13	0.33							1.0
GRTLGBN		938	296	IS		14 7	34.21-0.21								1.0
GRTLGBE		938	296	IAML		14 7	53.05		33	0.2					

**May 31 2020 Hour: 22:48 47.8 Lat: 10.01S Lon: 27.73E D: 15.0 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		905	198	IP		2250	41.24-0.79								1.0
SOOWABZ		1178	188	IP		2251	14.96	0.75							0.9
BROLNBZ		1227	182	IP		2251	19.40-0.59								0.9
KHWEEBZ		1343	190	IP		2251	33.82	0.26							0.8
GRTLGBZ		1436	208	IP		2251	45.21	0.66							0.7
LPHEPBZ		1491	187	IP		2251	51.57	0.61							0.6
KDWANBZ		1515	192	IP		2251	53.53-0.28								0.6
KGCAEBZ		1538	202	IP		2251	56.99	0.46							0.6
KOOLEBZ		1645	208	IP		2252	8.48-0.68								0.5

**May 31 2020 Hour: 23:59 57.7 Lat: 24.59N Lon: 52.97E D:346.6 Ag: BGS Distant**  
**Magnitudes: 2.3ML BGS Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		5764	211	IP		24 8	31.54-0.02								1.0
LPHEPBZ		6057	211	IP		24 8	50.44-0.13								1.0
KDWANBZ		6122	212	IP		24 8	54.44-0.30								1.0
GRTLGBZ		6134	217	IP		24 8	55.81	0.29							1.0
KGCAEBZ		6211	215	IP		24 9	0.63	0.27							1.0
SKOMABZ		6268	212	IP		24 9	4.13	0.17							1.0
KOOLEBZ		6342	216	IP		24 9	8.22-0.42								1.0
MAKGRBZ		6345	210	IP		24 9	9.04	0.25							1.0
PHPENBZ		6416	212	IP		24 9	13.09-0.11								1.0



**June 1 2020 Hour: 12: 0 8.2 Lat: 22.18S Lon: 24.56E D: 18.7 Ag: BGS Local**  
**Magnitudes: 2.0ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		95	74	IP		12	0	23.00-0.38							1.0
KDWANBZ		133	176	IP		12	0	27.33-1.06							1.0
LPHEPBZ		187	135	IP		12	0	35.81 0.73							1.0
LPHEPBZ		187	135	IS		12	0	55.36 0.36							1.0
LPHEPBN		187	135	IS		12	0	56.62							
LPHEPBN		187	135	IAML		12	1	0.67		40	0.4				
SOOWABZ		249	44	IP		12	0	43.20 0.43							1.0
SOOWABE		249	44	IAML		12	1	57.16		20	0.4				
BROLNBZ		311	68	IP		12	0	51.46 0.89							1.0
BROLNBE		311	68	IS		12	1	20.98-0.97							1.0
BROLNBE		311	68	IAML		12	1	27.40		10	0.2				

**June 1 2020 Hour: 14:12 42.2 Lat: 25.53S Lon: 29.47E D: 10.1 Ag: BGS Local**  
**Magnitudes: 2.8ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		437	303	IP		1413		41.02 0.01							1.0
LPHEPBN		437	303	IS		1414		24.09-0.42							1.0
LPHEPBE		437	303	IAML		1414		43.34		24	0.4				
MAKGRBZ		469	265	IP		1413		45.13 0.24							1.0
MAKGRBN		469	265	IS		1414		31.06-0.20							1.0
MAKGRBE		469	265	IAML		1414		40.87		138	0.4				
BROLNBZ		537	336	IP		1413		51.74-1.34							1.0
BROLNBE		537	336	IS		1414		46.34 0.82							1.0
BROLNBE		537	336	IAML		1415		20.14		23	0.4				
KDWANBZ		542	295	IP		1413		54.76 1.05							1.0
KDWANBE		542	295	IS		1414		46.43-0.19							1.0
KDWANBN		542	295	IAML		1415		14.67		30	0.9				
SKOMABZ		570	280	IP		1413		57.07 0.04							1.0

**June 1 2020 Hour: 15:43 50.4 Lat: 27.18S Lon: 30.59E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		596	283	IP		1545		9.67 0.14							1.0
MAKGRBN		596	283	IS		1546		8.16 0.08							1.0
MAKGRBN		596	283	IAML		1546		11.25		104	0.6				
LPHEPBZ		636	311	IP		1545		14.02-0.37							1.0
LPHEPBN		636	311	IS		1546		15.83-0.70							1.0
LPHEPBN		636	311	IAML		1546		25.96		5	0.5				
SKOMABZ		729	292	IP		1545		25.72 0.18							1.0
SKOMABN		729	292	IS		1546		36.48 0.54							1.0
KDWANBZ		730	304	IP		1545		25.37-0.28							1.0
KDWANBE		730	304	IS		1546		35.91-0.21							1.0
KDWANBE		730	304	IAML		1546		49.92		11	0.9				
BROLNBZ		750	333	IP		1545		28.04 0.06							1.0
BROLNBE		750	333	IS		1546		40.74 0.56							1.0
BROLNBN		750	333	IAML		1546		57.03		6	0.6				

**June 2 2020 Hour: 5:43 14.7 Lat: 2.03S Lon: 41.26E D: 0.0 Ag: BGS Regional**  
**Magnitudes: 2.6ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		2886	214	IP		548		48.25-0.74							1.0
LPHEPBN		2886	214	IS		553		22.12 0.47							1.0
LPHEPBE		2886	214	IAML		555		38.07		25	0.9				
KDWANBZ		2964	216	IP		548		55.46 0.15							1.0
KDWANBE		2964	216	IS		553		31.73-0.98							1.0
KDWANBE		2964	216	IAML		555		55.37		50	0.7				
GRTLGBZ		3049	224	IP		549		2.37 0.17							1.0
GRTLGBE		3049	224	IS		553		44.61-0.17							1.0
GRTLGBE		3049	224	IAML		556		4.71		35	0.6				
KGCAEBZ		3089	220	IP		549		5.46 0.03							1.0



**June 3 2020 Hour: 15:52 54.3 Lat: 8.12S Lon: 117.62E D: 0.0 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	9727	249	IP			16	5	44.05	0.25						1.0
LPHEPBZ	9843	247	IP			16	5	48.15	-0.62						1.0
SOOWABZ	9850	250	IP			16	5	49.08	0.03						1.0
KHWEEBZ	9908	248	IP			16	5	51.32	-0.18						1.0
MAKGRBZ	9910	244	IP			16	5	51.51	-0.12						1.0
KDWANBZ	9964	247	IP			16	5	54.49	0.61						1.0
KSANEZBZ	10004	252	IP			16	5	55.42	-0.13						1.0
SKOMABZ	10019	245	IP			16	5	56.17	0.02						1.0
PHPENBZ	10109	244	IP			16	5	59.90	-0.04						1.0
KGCAEBZ	10222	247	IP			16	6	4.93	0.27						1.0
GRTLGBZ	10351	248	IP			16	6	9.97	-0.03						1.0
KOOLEBZ	10423	246	IP			16	6	12.95	-0.05						1.0

**June 4 2020 Hour: 1:33 13.3 Lat: 30.62N Lon: 79.93W D: 15.8 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHPENBZ	12557	107	IP			151	49.62	0.16							1.0
SKOMABZ	12613	105	IP			151	49.71	-0.70							1.0
KDWANBZ	12629	104	IP			151	50.03	-0.66							1.0
KHWEEBZ	12636	102	IP			151	50.57	-0.25							1.0
SOOWABZ	12643	101	IP			151	50.89	-0.03							1.0
LPHEPBZ	12739	104	IP			151	53.15	0.56							1.0
MAKGRBZ	12751	106	IP			151	53.40	0.58							1.0
BROLNBZ	12774	101	IP			151	53.52	0.33							1.0

**June 4 2020 Hour: 11:41 17.6 Lat: 18.25S Lon: 26.48E D: 1.9 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZBZ	148	289	IP			1141	41.37	0.04							1.0
KSANEZBN	148	289	IS			1141	58.98	0.08							1.0
KSANEZBE	148	289	IAML			1142	4.09			87	0.4				
BROLNBZ	328	164	IP			1142	2.74	-0.93							1.0
BROLNBE	328	164	IS			1142	38.40	0.63							1.0
BROLNBN	328	164	IAML			1142	41.14			21	0.4				
KHWEEBZ	423	195	IP			1142	16.71	1.19							1.0
KHWEEZBN	423	195	IS			1142	58.97	0.59							1.0
KHWEEZBE	423	195	IAML			1143	13.07			185	0.4				
KDWANBZ	599	198	IP			1142	36.28	-0.53							1.0
KDWANBE	599	198	IS			1143	34.35	-1.07							1.0
KDWANBE	599	198	IAML			1144	3.52			19	0.6				

**June 4 2020 Hour: 14:17 16.3 Lat: 23.83S Lon: 27.42E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	167	288	IP			1417	41.78	-0.83							1.0
LPHEPBN	167	288	IS			1418	1.65	-0.44							1.0
LPHEPBN	167	288	IAML			1418	5.91			31	0.3				
KDWANBZ	286	280	IP			1417	56.99	-0.33							1.0
KDWANBE	286	280	IS			1418	29.21	1.52							1.0
KDWANBN	286	280	IAML			1418	35.41			16	0.7				
KHWEEBZ	291	316	IP			1417	58.63	0.66							1.0
KHWEEZBN	291	316	IS			1418	27.77	-1.03							1.0
KHWEEZBN	291	316	IAML			1418	33.49			112	0.4				
BROLNBZ	303	358	IP			1417	59.30	-0.18							1.0
BROLNBE	303	358	IS			1418	32.06	0.63							1.0
BROLNBE	303	358	IAML			1418	37.27			21	0.5				



**June 5 2020 Hour: 11:51 5.9 Lat: 13.92S Lon: 31.69E D: 82.2 Ag: BGS Regional**  
**Magnitudes: 4.1ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		821	238	IP		1152	47.88	0.73							1.0
KSANEBN		821	238	IS		1154	1.05-1.05								1.0
KSANEBN		821	238	IAML		1154	53.93			371	0.6				1.0
BROLNBZ		920	210	IP		1152	58.71-0.11								1.0
BROLNBE		920	210	IS		1154	23.43	1.04							1.0
BROLNBN		920	210	IAML		1155	29.96			123	0.7				1.0
SOOWABZ		938	218	IP		1153	0.75-0.18								1.0
LPHEPBZ		1213	210	IP		1153	32.96-0.35								0.9
LPHEPBE		1213	210	IAML		1156	48.65			59	0.9				0.8
KDWANBZ		1283	214	IP		1153	41.58	0.02							0.8
KDWANBN		1283	214	IS		1155	35.70-1.07								0.8
KDWANBN		1283	214	IAML		1157	10.68			85	0.8				0.7
GRTLGBZ		1383	232	IP		1153	53.61	0.28							0.7
GRTLGBE		1383	232	IS		1155	58.31	1.07							0.7
GRTLGBE		1383	232	IAML		1157	51.59			42	0.8				0.7
KGCAEBZ		1407	224	IP		1153	56.26	0.07							0.7
KGCAEBE		1407	224	IS		1156	2.82	0.60							0.7
KGCAEBE		1407	224	IAML		1157	54.58			83	0.6				0.7
SKOMABZ		1428	214	IP		1153	58.71	0.07							0.7
SKOMABE		1428	214	IS		1156	6.39-0.10								0.7
SKOMABE		1428	214	IAML		1157	45.60			25	0.9				0.6
MAKGRBZ		1501	208	IP		1154	6.51-0.71								0.6
MAKGRBN		1501	208	IS		1156	20.90-0.51								0.6
MAKGRBE		1501	208	IAML		1158	19.09			132	0.5				0.6

**June 5 2020 Hour: 15:55 56.3 Lat: 28.89S Lon: 15.55E D:491.3 Ag: BGS Local**  
**Magnitudes: 3.2ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SKOMABZ		965	62	IP		1558	5.68-0.38								1.0
SKOMABN		965	62	IS		1559	42.84	0.77							1.0
SKOMABN		965	62	IAML		16 0	44.39			8	0.6				1.0
MAKGRBZ		977	72	IP		1558	7.57	0.20							1.0
MAKGRBE		977	72	IS		1559	43.98-0.38								1.0
MAKGRBE		977	72	IAML		16 0	13.28			25	0.4				1.0
KDWANBZ		1096	58	IP		1558	19.66-0.51								1.0
KDWANBN		1096	58	IS		16 0	6.20-0.42								1.0
KDWANBE		1096	58	IAML		16 0	38.85			9	0.7				0.9
LPHEPBZ		1199	62	IP		1558	32.19	0.86							0.9

**June 6 2020 Hour: 5: 2 47.9 Lat: 9.22S Lon: 16.49W D: 0.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ		4195	116	IP		510	5.51	0.20							1.0
GRTLGBZ		4254	113	IP		510	9.07-0.68								1.0
KGCAEBZ		4391	115	IP		510	20.36	0.28							1.0
SKOMABZ		4607	117	IP		510	36.68	0.60							1.0
KDWANBZ		4649	115	IP		510	39.61	0.39							1.0
MAKGRBZ		4728	118	IP		510	44.21-0.82								1.0

**June 6 2020 Hour: 10:31 4.7 Lat: 25.53S Lon: 29.41E D: 5.8 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		432	303	IP		1032	4.05	0.77							1.0
LPHEPBE		432	303	IS		1032	46.02-0.63								1.0
LPHEPBE		432	303	IAML		1033	7.65			11	0.5				1.0
MAKGRBZ		463	265	IP		1032	7.72	0.67							1.0
MAKGRBN		463	265	IS		1032	52.88-0.34								1.0
MAKGRBE		463	265	IAML		1033	3.26			116	0.4				1.0
BROLNBZ		534	336	IP		1032	14.68-0.98								1.0
BROLNBE		534	336	IS		1033	8.42	0.22							1.0



BROLNBE	534	336	IAML	1033	46.95				10	0.4								
SOOWABZ	640	329	IP	1032	27.95-0.46													1.0
SOOWABE	640	329	IS	1033	31.14	0.76												1.0
SOOWABE	640	329	IAML	1034	18.09				28	0.4								

**June 6 2020 Hour: 11:26 17.5 Lat: 25.76S Lon: 29.51E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.8ML BGS Rms: 0.3 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	473	268	IP		1127	21.68	0.06							1.0
MAKGRBN	473	268	IS		1128	9.30	0.21							1.0
MAKGRBN	473	268	IAML		1128	18.54		94	0.6					
KDWANBZ	557	297	IP		1127	31.25-0.63								1.0
KDWANBN	557	297	IS		1128	26.93-0.02								1.0
KDWANBE	557	297	IAML		1128	42.43		23	0.5					
BROLNBZ	562	336	IP		1127	32.16-0.22								1.0
BROLNBE	562	336	IS		1128	27.50-0.32								1.0
BROLNBN	562	336	IAML		1128	50.09		11	0.7					
SKOMABZ	579	283	IP		1127	34.51-0.00								1.0
SKOMABN	579	283	IS		1128	31.35-0.17								1.0
SKOMABN	579	283	IAML		1128	57.48		54	0.6					
KHWEEBZ	591	315	IP		1127	36.37	0.40							1.0
SOOWABZ	667	329	IP		1127	45.46	0.36							1.0
SOOWABN	667	329	IS		1128	50.29	0.34							1.0
SOOWABN	667	329	IAML		1129	24.68		28	0.6					

**June 6 2020 Hour: 11:37 50.8 Lat: 23.71S Lon: 27.50E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.3 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	172	282	IP		1138	17.16-0.59								1.0
LPHEPBN	172	282	IS		1138	37.69	0.02							1.0
LPHEPBE	172	282	IAML		1138	41.79		68	0.6					
KHWEEBZ	287	312	IP		1138	32.13	0.05							1.0
KHWEEBN	287	312	IS		1139	2.67	0.07							1.0
KHWEEBN	287	312	IAML		1139	15.00		103	0.3					
BROLNBZ	289	357	IP		1138	32.77	0.45							1.0
BROLNBE	289	357	IS		1139	2.82-0.20								1.0
BROLNBE	289	357	IAML		1139	14.70		20	0.3					
KDWANBZ	292	277	IP		1138	32.97	0.26							1.0
KDWANBE	292	277	IS		1139	4.16	0.47							1.0
KDWANBE	292	277	IAML		1139	21.88		44	0.8					
MAKGRBZ	359	229	IP		1138	40.90-0.11								1.0
MAKGRBN	359	229	IS		1139	18.38	0.24							1.0
MAKGRBN	359	229	IAML		1139	34.94		52	0.5					
KGCAEBZ	550	279	IP		1139	4.30-0.05								1.0
KGCAEBN	550	279	IS		1139	58.55-0.21								1.0
KGCAEBN	550	279	IAML		1140	40.28		17	0.6					
LKGWBBZ	641	265	IP		1139	15.20-0.25								1.0
LKGWBBN	641	265	IS		1140	17.91-0.15								1.0
LKGWBBE	641	265	IAML		1140	38.96		12	0.8					

**June 7 2020 Hour: 9:40 10.6 Lat: 26.28S Lon: 26.59E D:328.3 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.8 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	186	286	IP		940	56.14-0.47								1.0
MAKGRBN	186	286	IS		941	31.07	0.38							1.0
MAKGRBN	186	286	IAML		941	41.27		61	0.4					
LPHEPBN	331	347	IS		941	48.17-1.12								1.0
SKOMABN	331	306	IS		941	49.86	0.63							1.0
SKOMABN	331	306	IAML		942	20.53		6	0.6					
LPHEPBZ	331	347	IP		941	8.67	1.36							1.0
SKOMABZ	331	306	IP		941	6.91-0.36								1.0
LPHEPBE	331	347	IAML		942	4.97		7	0.5					
KDWANBZ	376	328	IP		941	11.52	0.32							1.0
PHPENBZ	384	283	IP		941	11.26-0.73								1.0



**June 7 2020 Hour: 20: 6 23.0 Lat: 2.08S Lon: 154.87E D: 4.1 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	13776	243	IP			2025	21.34	-0.67							1.0
LPHEPBZ	13840	240	IP			2025	23.80	0.71							1.0
MAKGRBZ	13843	237	IP			2025	23.06	-0.10							1.0
SOOWABZ	13905	243	IP			2025	24.05	-0.14							1.0
KHWEEBZ	13932	241	IP			2025	25.03	0.35							1.0
KDWANBZ	13954	239	IP			2025	25.03	-0.02							1.0
SKOMABZ	13978	238	IP			2025	25.03	-0.41							1.0
KSANEBZ	14102	246	IP			2025	27.50	-0.06							1.0
KGCAEBZ	14210	239	IP			2025	29.96	0.54							1.0
LKGWBBZ	14249	237	IP			2025	29.47	-0.63							1.0
GRTLGBZ	14366	240	IP			2025	32.42	0.34							1.0
KOOLEBZ	14394	238	IP			2025	32.67	0.08							1.0

**June 8 2020 Hour: 11:44 38.4 Lat: 23.80S Lon: 27.74E D: 10.9 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	198	284	IP			1145	7.05	-0.32							1.0
LPHEPBE	198	284	IS			1145	28.35	-0.47							1.0
LPHEPBE	198	284	IAML			1145	31.73			66	0.5				
BROLNBZ	301	352	IP			1145	20.56	0.31							1.0
BROLNBE	301	352	IS			1145	51.67	0.44							1.0
BROLNBN	301	352	IAML			1146	4.28			12	0.6				
KDWANBZ	318	278	IP			1145	22.68	0.42							1.0
KDWANBN	318	278	IS			1145	55.16	0.44							1.0
KDWANBN	318	278	IAML			1146	10.89			32	0.6				
MAKGRBZ	372	232	IP			1145	28.55	-0.45							1.0
MAKGRBN	372	232	IS			1146	6.32	-0.13							1.0
MAKGRBN	372	232	IAML			1146	23.67			50	0.5				
SOOWABZ	391	336	IP			1145	30.81	-0.53							1.0
SOOWABE	391	336	IS			1146	10.06	-0.47							1.0
SOOWABN	391	336	IAML			1146	29.67			32	0.4				
SKOMABZ	395	258	IP			1145	32.25	0.38							1.0
SKOMABN	395	258	IS			1146	11.66	0.21							1.0
SKOMABN	395	258	IAML			1146	29.96			15	0.6				
KGCAEBZ	575	279	IP			1145	54.02	0.20							1.0
KGCAEBE	575	279	IS			1146	49.60	-0.03							1.0
KGCAEBN	575	279	IAML			1147	24.60			15	0.7				

**June 8 2020 Hour: 11:53 20.6 Lat: 27.57S Lon: 29.25E D:349.5 Ag: BGS Local**  
**Magnitudes: 3.3ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	484	293	IP			1154	32.60	-0.32							1.0
MAKGRBN	484	293	IS			1155	26.32	-0.11							1.0
MAKGRBE	484	293	IAML			1156	2.98			140	0.4				
LPHEPBZ	577	323	IP			1154	41.40	-0.84							1.0
LPHEPBN	577	323	IS			1155	43.20	0.54							1.0
LPHEPBN	577	323	AMP			1156	7.17			147	0.5				
SKOMABZ	631	301	IP			1154	48.04	0.30							1.0
SKOMABN	631	301	IS			1155	52.34	0.12							1.0
SKOMABN	631	301	IAML			1156	41.94			44	0.5				
KDWANBZ	654	314	IP			1154	50.39	0.15							1.0
KDWANBE	654	314	IS			1155	56.70	0.13							1.0
KDWANBN	654	314	IAML			1156	34.46			32	0.7				
PHPENBZ	678	289	IP			1154	52.69	-0.05							1.0
PHPENBN	678	289	IS			1156	1.09	0.16							1.0
KHWEEBZ	732	327	IP			1154	59.00	0.49							1.0
KHWEEBE	732	327	IS			1156	11.60	0.64							1.0
KHWEEBN	732	327	IAML			1156	46.28			75	0.6				
BROLNBZ	742	344	IP			1155	0.45	0.82							1.0
BROLNBE	742	344	IS			1156	11.86	-1.06							1.0



BROLNBE	742	344	IAML	1156	39.86	16	0.5							
SOOWABZ	835	338	IP	1155	9.47-0.22									1.0
SOOWABE	835	338	IS	1156	30.27-0.14									1.0
SOOWABN	835	338	IAML	1157	12.76	34	0.5							
LKGWBBZ	891	294	IP	1155	15.86-0.08									1.0
LKGWBBE	891	294	IS	1156	40.77-0.52									1.0
LKGWBBE	891	294	IAML	1157	38.63	27	0.6							

**June 8 2020 Hour: 19:20 35.1 Lat: 22.50S Lon: 23.08E D:567.8 Ag: BGS Distant**  
**Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KGCAEBZ		98	246	IP	D	1921	43.40	0.33							1.0
KDWANBZ		190	121	IP		1921	46.21	0.80							1.0
GRTLGBZ		229	303	IP		1921	45.86-1.08								1.0
SKOMABZ		240	159	IP		1921	46.15-1.09								1.0
KHWEEBZ		252	76	IP	D	1921	47.97	0.15							1.0
KOOLEBZ		301	259	IP		1921	49.66								

**June 9 2020 Hour: 11:50 58.9 Lat: 23.59S Lon: 27.40E D: 15.8 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		159	279	IP		1151	22.63	0.01							1.0
LPHEPBE		159	279	IS		1151	40.20-0.01								1.0
LPHEPBE		159	279	IAML		1151	49.43		53	0.6					
BROLNBZ		276	359	IP		1151	37.55	0.41							1.0
BROLNBE		276	359	IS		1152	5.24-0.23								1.0
BROLNBE		276	359	IAML		1152	25.00		18	0.8					
KDWANBZ		281	274	IP		1151	36.53-1.17								1.0
KDWANBE		281	274	IS		1152	7.13	0.68							1.0
KDWANBE		281	274	IAML		1152	29.38		32	0.4					
MAKGRBZ		360	226	IP		1151	48.32	0.76							1.0
MAKGRBE		360	226	IS		1152	23.16-0.44								1.0
MAKGRBN		360	226	IAML		1152	40.66		23	0.5					

**June 9 2020 Hour: 14:37 44.0 Lat: 26.19S Lon: 29.45E D: 0.1 Ag: BGS Regional**  
**Magnitudes: 3.2ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		468	274	IP		1438	47.81	0.31							1.0
MAKGRBE		468	274	IS		1439	34.59	0.08							1.0
LPHEPBZ		479	310	IP		1438	48.48-0.43								1.0
LPHEPBN		479	310	IS		1439	36.07-0.89								1.0
LPHEPBE		479	310	IAML		1439	56.98		49	0.5					
KDWANBZ		576	302	IP		1439	0.82	0.24							1.0
KDWANBN		576	302	IS		1439	57.52	0.26							1.0
KDWANBE		576	302	IAML		1440	21.58		87	0.8					
BROLNBZ		603	339	IP		1439	3.67-0.26								1.0
BROLNBE		603	339	IS		1440	3.75	0.65							1.0
BROLNBE		603	339	IAML		1440	36.48		61	0.7					
KGCAEBZ		822	295	IP		1439	29.86-0.14								1.0
KGCAEBE		822	295	IS		1440	48.64	0.18							1.0
KGCAEBN		822	295	IAML		1441	34.03		67	0.4					
MAKGRBE				IAML		1439	51.95		225	0.3					

**June 9 2020 Hour: 17:18 11.6 Lat: 27.59N Lon: 54.41E D: 7.4 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		5927	215	IP		1727	31.63	0.33							1.0
BROLNBZ		6122	211	IP	D	1727	43.65-0.39								1.0
SOOWABZ		6129	213	IP		1727	44.04-0.45								1.0
LPHEPBZ		6415	211	IP	D	1728	3.43	0.61							1.0
KDWANBZ		6479	212	IP		1728	6.92	0.04							1.0
GRTLGBZ		6485	217	IP		1728	7.31-0.00								1.0
KGCAEBZ		6564	215	IP		1728	12.35	0.10							1.0
SKOMABZ		6625	212	IP		1728	16.23	0.25							1.0



KOOLEBZ 6693 217 IP 1728 20.10-0.19 1.0  
 MAKGRBZ 6703 211 IP 1728 20.88 0.05 1.0  
 PHPENBZ 6772 213 IP 1728 24.76-0.32 1.0

**June 10 2020 Hour: 4:35 16.3 Lat: 4.34S Lon: 100.81E D: 0.3 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	8130	249	IP			446	48.58	0.16							1.0
LPHEPBZ	8291	247	IP			446	57.28	0.41							1.0
KHWEEBZ	8329	249	IP			446	59.09	0.23							1.0
KSANEBZ	8352	253	IP			446	59.90	-0.17							1.0
KDWANBZ	8413	247	IP			447	2.09	-1.15							1.0
KGCAEBZ	8664	248	IP			447	16.42	0.43							1.0

**June 10 2020 Hour: 19:58 40.6 Lat: 15.99S Lon: 14.16W D: 0.1 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	3680	108	IP			20	5	18.45	0.19						1.0
KGCAEBZ	3884	107	IP			20	5	34.24	0.10						1.0
PHPENBZ	3982	111	IP			20	5	40.90	-0.76						1.0
SKOMABZ	4077	110	IP			20	5	49.19	0.25						1.0
KDWANBZ	4139	108	IP			20	5	53.83	0.09						1.0
MAKGRBZ	4180	112	IP			20	5	57.10	0.23						1.0
KHWEEBZ	4211	105	IP			20	5	58.59	-0.66						1.0
LPHEPBZ	4261	108	IP			20	6	3.55	0.53						1.0

**June 12 2020 Hour: 7: 3 56.4 Lat: 26.79S Lon: 26.97E D: 68.9 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	242	296	IP			7	4	29.31	-0.08						1.0
MAKGRBN	242	296	IS			7	4	53.65	-0.19						1.0
MAKGRBN	242	296	IAML			7	4	55.32		584	0.4				
LPHEPBZ	396	343	IP			7	4	48.04	0.18						1.0
LPHEPBN	396	343	IAML			7	5	47.73		10	0.4				
KDWANBZ	444	328	IP			7	4	54.15	0.54						1.0
KDWANBN	444	328	IAML			7	5	57.37		47	0.4				
BROLNBZ	631	3	IP			7	5	15.19	-0.46						1.0
BROLNBE	631	3	IAML			7	6	53.02		11	0.5				

**June 12 2020 Hour: 12:48 38.5 Lat: 26.31S Lon: 29.39E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.9ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	484	312	IP			1249	44.50	0.54							1.0
LPHEPBN	484	312	IS			1250	31.59	-0.84							1.0
LPHEPBN	484	312	IAML			1250	53.00			15	0.5				
BROLNBZ	614	340	IP			1249	58.44	-1.32							1.0
BROLNBE	614	340	IS			1251	0.95	1.03							1.0
BROLNBE	614	340	IAML			1251	31.67			28	0.5				
KHWEEBZ	628	320	IP			1250	1.47	0.03							1.0
KHWEEBE	628	320	IAML			1251	36.34			78	0.5				
PHPENBZ	661	277	IP			1250	5.91	0.46							1.0
PHPENBN	661	277	IAML			1251	44.63			47	0.3				
SOOWABZ	714	332	IP			1250	11.96	0.09							1.0

**June 13 2020 Hour: 9:17 29.3 Lat: 11.16S Lon: 111.85E D:700.0 Ag: BGS Distant**  
**Rms: 0.1 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	9016	250	IP			928	34.78	0.05							1.0
LPHEPBZ	9128	248	IP			928	39.71	-0.12							1.0
MAKGRBZ	9193	245	IP			928	42.79	0.04							1.0
KHWEEBZ	9195	249	IP			928	42.79	-0.01							1.0
KDWANBZ	9249	248	IP			928	45.25	0.03							1.0



**June 13 2020 Hour: 15:51 27.8 Lat: 27.10N Lon: 160.76E D:684.2 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	15485	265	IP			16	9	38.81-0.17							1.0
KDWANBZ	15604	265	IP			16	9	40.72-0.17							1.0
MAKGRBZ	15652	262	IP			16	9	41.99 0.30							1.0
SKOMABZ	15706	264	IP			16	9	42.27-0.24							1.0
KGCAEBZ	15832	267	IP			16	9	44.79 0.27							1.0
LKGWBBZ	15964	265	IP			16	9	45.93-0.05							1.0
KOOLEBZ	16035	268	IP			16	9	48.09 0.06							1.0

**June 13 2020 Hour: 19: 3 12.3 Lat: 73.64N Lon: 136.88E D: 15.0 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	12826	283	IP			1921		52.75-1.06							1.0
GRTLGBZ	13039	289	IP			1921		56.60-0.91							1.0
LPHEPBZ	13110	283	IP			1921		58.86 0.16							1.0
KDWANBZ	13148	285	IP			1922		0.05 0.69							1.0
KGCAEBZ	13167	287	IP			1921		59.79 0.09							1.0
KOOLEBZ	13242	289	IP			1922		1.11 0.09							1.0
SKOMABZ	13290	285	IP			1922		2.31 0.51							1.0
LKGWBBZ	13330	288	IP			1922		2.84 0.33							1.0

**June 13 2020 Hour: 21: 6 36.1 Lat: 24.77N Lon: 171.51E D: 15.0 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	16339	269	IP			2126		14.86-0.52							1.0
SOOWABZ	16438	270	IP			2126		16.43-0.39							1.0
KSANEBZ	16460	276	IP			2126		17.68 0.53							1.0
LPHEPBZ	16538	265	IP			2126		17.99-0.30							1.0
KHWEEBZ	16550	268	IP			2126		18.62 0.14							1.0
KDWANBZ	16659	266	IP			2126		20.81 0.78							1.0
MAKGRBZ	16680	261	IP			2126		19.56-0.78							1.0
SKOMABZ	16751	264	IP			2126		21.75 0.44							1.0
PHPENBZ	16871	262	IP			2126		23.94 0.98							1.0
GRTLGBZ	16965	271	IP			2126		24.26 0.01							1.0
KOOLEBZ	17103	268	IP			2126		25.20-0.87							1.0

**June 13 2020 Hour: 23:14 42.1 Lat: 29.17N Lon: 57.11E D: 0.1 Ag: BGS Distant**  
**Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	6411	213	IP			2324		33.71-0.58							1.0
LPHEPBZ	6704	213	IP			2324		53.09 0.51							1.0
KDWANBZ	6770	214	IP			2324		57.21 0.53							1.0
KGCAEBZ	6861	217	IP			2325		2.55 0.32							1.0
SKOMABZ	6916	214	IP			2325		5.94 0.41							1.0
MAKGRBZ	6991	213	IP			2325		9.09-0.95							1.0
LKGWBBZ	7033	217	IP			2325		11.51-1.07							1.0
PHPENBZ	7065	215	IP			2325		15.15 0.73							1.0

**June 14 2020 Hour: 12:27 55.5 Lat: 24.93S Lon: 26.84E D: 24.7 Ag: BGS Local**  
**Magnitudes: 2.1ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	200	330	IP			1228		24.33 0.70							1.0
LPHEPBN	200	330	IS			1228		43.67-0.76							1.0
LPHEPBN	200	330	IAML			1229		2.00		10	0.4				
MAKGRBZ	227	244	IP			1228		26.94-0.03							1.0
MAKGRBN	227	244	IS			1228		50.45 0.22							1.0
MAKGRBE	227	244	IAML			1228		58.20		57	0.5				
KDWANBZ	280	307	IP			1228		33.79 0.23							1.0
KDWANBN	280	307	IS			1229		2.39 0.68							1.0
KDWANBN	280	307	IAML			1229		32.15		24	0.9				
SKOMABZ	297	278	IP			1228		34.81-0.90							1.0

SKOMABN 297 278 IS 1229 5.31-0.14 1.0  
 SKOMABN 297 278 IAML 1229 33.84 26 0.5

**June 14 2020 Hour: 14:24 26.8 Lat: 39.46N Lon: 40.93E D: 0.0 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	6844	194	IP			1434	45.57	-0.20							1.0
LPHEPBZ	7121	195	IP			1435	2.52	0.14							1.0
KDWANBZ	7151	197	IP			1435	4.31	0.14							1.0
KGCAEBZ	7160	199	IP			1435	4.91	0.19							1.0
SKOMABZ	7291	197	IP			1435	12.49	0.14							1.0
LKGWBBZ	7322	200	IP			1435	13.89	-0.30							1.0
MAKGRBZ	7409	196	IP			1435	19.07	-0.11							1.0

**June 14 2020 Hour: 14:43 4.3 Lat: 22.21N Lon: 71.75E D: 3.4 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	6730	233	IP			1453	16.06	0.21							1.0
BROLNBZ	6796	228	IP			1453	19.22	-0.63							1.0
LPHEPBZ	7077	227	IP			1453	37.13	0.37							1.0
KDWANBZ	7170	228	IP			1453	42.40	0.14							1.0
GRTLGBZ	7300	232	IP			1453	50.12	0.19							1.0
SKOMABZ	7308	228	IP			1453	50.83	0.49							1.0
KGCAEBZ	7324	230	IP			1453	51.18	-0.11							1.0
MAKGRBZ	7338	226	IP			1453	51.88	-0.22							1.0
KOOLEBZ	7494	231	IP			1454	0.66	-0.46							1.0

**June 14 2020 Hour: 18: 6 0.4 Lat: 26.65N Lon: 55.14E D: 1.5 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	6072	212	IP		D	1815	30.51	-0.01							1.0
LPHEPBZ	6365	212	IP			1815	49.29	-0.10							1.0
KDWANBZ	6432	213	IP			1815	53.68	0.07							1.0
GRTLGBZ	6447	218	IP			1815	54.41	-0.21							1.0
KGCAEBZ	6522	216	IP			1816	0.02	0.68							1.0
SKOMABZ	6577	213	IP			1816	2.21	-0.54							1.0
MAKGRBZ	6652	212	IP			1816	7.82	0.39							1.0
KOOLEBZ	6655	218	IP			1816	7.58	-0.05							1.0
PHPENBZ	6726	214	IP			1816	11.72	-0.22							1.0

**June 15 2020 Hour: 6:51 22.9 Lat: 40.10N Lon: 41.99E D: 0.3 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	6936	195	IP			7 1	47.20	-0.14							1.0
GRTLGBZ	7130	202	IP			7 1	58.90	-0.06							1.0
LPHEPBZ	7214	196	IP			7 2	4.14	0.29							1.0
KDWANBZ	7246	198	IP			7 2	5.76	0.04							1.0
KGCAEBZ	7257	200	IP			7 2	6.56	0.13							1.0
SKOMABZ	7386	198	IP			7 2	13.62	-0.22							1.0
MAKGRBZ	7503	197	IP			7 2	20.48	-0.05							1.0

**June 15 2020 Hour: 9: 5 15.6 Lat: 25.94S Lon: 29.70E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	482	305	IP			9 6	20.96	0.11							1.0
KDWANBZ	583	298	IP			9 6	32.12	-1.01							1.0
KDWANBE	583	298	IS			9 7	30.18	-0.34							1.0
KDWANBN	583	298	IAML			9 7	43.17			21	0.6				
BROLNBZ	588	335	IP			9 6	33.89	0.24							1.0
BROLNBE	588	335	IS			9 7	31.55	0.12							1.0
BROLNBE	588	335	IAML			9 7	56.95			18	0.6				
SKOMABZ	602	284	IP			9 6	35.87	0.49							1.0
SKOMABN	602	284	IS			9 7	34.84	0.39							1.0
SKOMABN	602	284	IAML			9 7	50.97			14	0.7				

**June 15 2020 Hour: 11:53 46.9 Lat: 26.55S Lon: 29.09E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		436	280	IP		1154	47.10	0.48							1.0
MAKGRBE		436	280	IS		1155	30.75	-0.08							1.0
MAKGRBN		436	280	IAML		1155	43.53			21	0.4				
LPHEPBZ		480	317	IP		1154	51.90	-0.02							1.0
LPHEPBN		480	317	IS		1155	40.17	0.11							1.0
LPHEPBE		480	317	IAML		1155	53.66			6	0.5				
SKOMABZ		565	292	IP		1155	1.69	-0.49							1.0

**June 15 2020 Hour: 14:52 16.8 Lat: 26.04S Lon: 31.14E D: 80.4 Ag: BGS Local**  
**Magnitudes: 2.9ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		610	298	IP		1453	33.59	0.20							1.0
LPHEPBE		610	298	IAML		1454	36.54			11	0.4				
MAKGRBZ		635	271	IP		1453	35.12	-1.19							1.0
MAKGRBN		635	271	IAML		1454	29.27			192	0.6				
BROLNBZ		670	324	IP		1453	40.85	0.40							1.0
BROLNBE		670	324	IS		1454	41.57	-0.74							1.0
BROLNBE		670	324	IAML		1455	12.56			11	0.4				
KDWANBZ		718	293	IP		1453	46.94	0.88							1.0
KDWANBE		718	293	IS		1454	52.53	0.46							1.0
KDWANBE		718	293	IAML		1454	59.09			23	0.6				

**June 15 2020 Hour: 21:17 41.6 Lat: 68.25N Lon: 136.71E D: 0.0 Ag: BGS Distant**  
**Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ12931		281	281	IP		2136	26.38	-0.98							1.0
BROLNBZ12940		280	280	IP		2136	26.65	-0.89							1.0
LPHEPBZ13230		280	280	IP	D	2136	33.50	0.97							1.0
KDWANBZ13280		281	281	IP		2136	34.22	0.82							1.0
KGCAEBZ13326		284	284	IP		2136	34.58	0.38							1.0
KOOLEBZ13421		286	286	IP		2136	35.30	-0.56							1.0
SKOMABZ13425		282	282	IP		2136	36.73	0.85							1.0
LKGWBBZ13494		285	285	IP		2136	37.45	0.36							1.0
MAKGRBZ13521		280	280	IP		2136	37.31	-0.24							1.0
PHPENBZ13566		282	282	IP		2136	37.58	-0.72							1.0

**June 16 2020 Hour: 14: 3 39.3 Lat: 21.34S Lon: 25.49E D: 3.9 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		68	184	IP		14	3	49.46	-0.75						1.0
KHWEEBN		68	184	IS		14	3	58.49	0.20						1.0
KHWEEBE		68	184	IAML		14	4	0.25		623	0.3				
SOOWABZ		114	41	IP		14	3	57.85	0.11						1.0
SOOWABN		114	41	IS		14	4	11.80	0.41						1.0
SOOWABE		114	41	IAML		14	4	13.39		95	0.3				
BROLNBZ		193	82	IP		14	4	8.15	-0.27						1.0
BROLNBN		193	82	IS		14	4	29.46	-0.51						1.0
BROLNBE		193	82	IAML		14	4	39.00		46	0.3				
LPHEPBZ		227	170	IP		14	4	13.17	0.49						1.0
LPHEPBE		227	170	IS		14	4	38.06	0.67						1.0
LPHEPBE		227	170	IAML		14	4	44.36		35	0.4				
KDWANBZ		242	201	IP		14	4	14.57	0.10						1.0
KDWANBN		242	201	IS		14	4	39.76	-0.75						1.0
KDWANBN		242	201	ES		14	4	40.79							
KDWANBE		242	201	IAML		14	4	46.61		55	0.3				
SKOMABZ		387	204	IP		14	4	32.15	-0.29						1.0
SKOMABE		387	204	IS		14	5	12.36	0.58						1.0
SKOMABN		387	204	IAML		14	5	31.84		11	0.4				



**June 16 2020 Hour: 14: 3 39.3 Lat: 21.39S Lon: 25.18E D: 0.2 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		67	156	IP		14	3	50.08-0.12							1.0
KHWEEBN		67	156	IS		14	3	58.14-0.09							1.0
KHWEEBN		67	156	IAML		14	4	2.05		800	0.3				
LPHEPBZ		229	162	IP		14	4	13.46 0.12							1.0
LPHEPBN		229	162	IS		14	4	38.21-0.30							1.0
LPHEPBN		229	162	IAML		14	4	45.21		19	0.2				
KGCAEBZ		347	242	IP		14	4	27.24-0.75							1.0
KGCAEBE		347	242	IAML		14	5	28.59		18	0.7				
SKOMABZ		369	200	IP		14	4	31.82 1.13							1.0

**June 16 2020 Hour: 14:30 16.0 Lat: 28.57N Lon: 33.42E D: 0.1 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		5203	191	IP		1438		47.74 0.43							1.0
SOOWABZ		5488	189	IP		1439		7.10 0.04							1.0
BROLNBZ		5531	187	IP		1439		9.32-0.72							1.0
KHWEEBZ		5651	190	IP		1439		18.39 0.16							1.0
GRTLGBZ		5674	195	IP		1439		19.90 0.05							1.0
LPHEPBZ		5800	189	IP		1439		28.63 0.41							1.0
KGCAEBZ		5812	193	IP		1439		28.37-0.71							1.0
KDWANBZ		5821	190	IP		1439		29.28-0.36							1.0
SKOMABZ		5957	191	IP		1439		39.14 0.44							1.0
PHPENBZ		6082	192	IP		1439		46.99 0.09							1.0
MAKGRBZ		6084	190	IP		1439		47.16 0.14							1.0

**June 17 2020 Hour: 17:32 56.8 Lat: 19.34S Lon: 22.89E D: 31.0 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRTLGBZ		284	218	IP		1733		34.04-0.08							1.0
GRTLGBE		284	218	IS		1734		1.49-0.27							1.0
GRTLGBE		284	218	IAML		1734		8.93		134	0.2				
KSANEBZ		294	55	IP		1733		36.21 0.78							1.0
KSANEBN		294	55	IS		1734		3.78-0.26							1.0
KSANEBN		294	55	IAML		1734		22.52		87	0.2				
SOOWABZ		373	112	IP		1733		44.49-0.74							1.0
SOOWABN		373	112	IS		1734		20.51-0.58							1.0
SOOWABE		373	112	IAML		1734		29.29		93	0.3				
KHWEEBZ		392	138	IP		1733		46.81-0.72							1.0
KHWEEBE		392	138	IS		1734		25.54 0.44							1.0
KHWEEBE		392	138	IAML		1734		32.83		213	0.3				
KGCAEBZ		395	190	IP		1733		48.46 0.59							1.0
KGCAEBE		395	190	IS		1734		25.66-0.02							1.0
KGCAEBE		395	190	IAML		1734		40.64		36	0.3				
KDWANBZ		483	158	IP		1733		58.75 0.22							1.0
KDWANBE		483	158	IS		1734		44.44 0.21							1.0
KDWANBE		483	158	IAML		1735		8.69		14	0.4				
KOOLEBZ		491	214	IP		1733		59.27-0.30							1.0
KOOLEBE		491	214	IS		1734		46.21 0.16							1.0
KOOLEBE		491	214	IAML		1735		12.44		20	0.4				
BROLNBZ		503	113	IP		1734		1.56 0.58							1.0
BROLNBN		503	113	IS		1734		48.83 0.33							1.0
BROLNBE		503	113	IAML		1735		6.93		10	0.3				
LPHEPBZ		541	146	IP		1734		5.22-0.34							1.0



**June 18 2020 Hour: 12:50 35.2 Lat: 15.64S Lon: 169.21W D:697.5 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	15203	199	IP			13	8	40.56	0.06						1.0
PHPENBZ	15301	196	IP			13	8	42.04	-0.04						1.0
SKOMABZ	15368	198	IP			13	8	43.15	-0.01						1.0
LPHEPBZ	15418	201	IP			13	8	44.64	0.66						1.0
KDWANBZ	15461	200	IP			13	8	43.90	-0.78						1.0
LKGWBBZ	15492	195	IP			13	8	44.64	-0.56						1.0
KHWEEBZ	15579	201	EP			13	8	46.87	0.28						1.0
KGCAEBZ	15598	197	IP			13	8	47.24	0.35						1.0
KOOLEBZ	15639	194	IP			13	8	47.98	0.40						1.0
SOOWABZ	15689	203	IP			13	8	47.98	-0.33						1.0
GRTLGBZ	15785	196	IP			13	8	49.83	-0.05						1.0
KSANEBZ	16013	204	IP			13	8	53.92	0.00						1.0

**June 18 2020 Hour: 16:43 27.4 Lat: 46.67S Lon: 7.39W D: 0.0 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	3604	53	IP			1649		59.17	-0.12						1.0
MAKGRBZ	3660	62	IP			1650		3.50	-0.20						1.0
KGCAEBZ	3740	55	IP			1650		10.07	0.05						1.0
KDWANBZ	3853	59	IP			1650		19.09	0.31						1.0
LPHEPBZ	3934	60	IP			1650		25.13	0.09						1.0
KHWEEBZ	4026	58	IP			1650		32.26	0.04						1.0
BROLNBZ	4223	60	IP			1650		47.06	-0.17						1.0

**June 19 2020 Hour: 3: 0 28.4 Lat: 64.74N Lon: 122.44E D: 15.0 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	12618	265	IP			319		5.35	-0.88						1.0
GRTLGBZ	12643	271	IP			319		5.67	-1.02						1.0
KDWANBZ	12676	266	IP			319		6.89	-0.36						1.0
KGCAEBZ	12742	269	IP			319		8.41	0.02						1.0
SKOMABZ	12822	266	IP			319		10.11	0.37						1.0
KOOLEBZ	12851	271	IP			319		10.68	0.37						1.0
MAKGRBZ	12907	265	IP			319		11.82	0.58						1.0
LKGWBBZ	12912	269	IP			319		12.20	0.87						1.0

**June 19 2020 Hour: 3: 9 29.4 Lat: 63.14N Lon: 124.60E D: 15.0 Ag: BGS Distant**  
**Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ	12596	268	IP			328		5.67	-1.18						1.0
LPHEPBZ	12712	267	IP			328		8.03	-0.81						1.0
GRTLGBZ	12753	272	IP			328		8.74	-0.84						1.0
KDWANBZ	12774	268	IP			328		9.79	-0.12						1.0
KGCAEBZ	12847	270	IP			328		10.85	-0.34						1.0
SKOMABZ	12920	268	IP			328		12.62	0.21						1.0
KOOLEBZ	12962	272	IP			328		14.03	0.83						1.0
MAKGRBZ	13000	266	IP			328		14.62	0.79						1.0
LKGWBBZ	13018	270	IP			328		15.08	0.94						1.0
PHPENBZ	13066	268	IP			328		15.40	0.46						1.0

**June 19 2020 Hour: 13:55 54.1 Lat: 21.27S Lon: 25.33E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.1ML BGS**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ	76	171	IP			1356		6.29	-0.16						1.0
KHWEEBE	76	171	IS			1356		14.93	-0.63						1.0
KHWEEBN	76	171	IAML			1356		20.39		207	0.6				
SOOWABZ	121	50	IP			1356		13.31	-0.36						1.0
SOOWABE	121	50	IS			1356		27.99	-0.14						1.0
SOOWABN	121	50	IAML			1356		35.87		85	0.6				
BROLNBZ	209	85	IP			1356		24.78	-0.90						1.0



**June 21 2020 Hour: 22:42 13.4 Lat: 20.37N Lon: 90.74E D:618.3 Ag: BGS Distant**  
**Rms: 0.1 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		8283	240	IP		2252	50.25	-0.07							1.0
KSANEBZ		8309	244	IP		2252	51.75	0.12							1.0
SOOWABZ		8355	241	IP		2252	54.00	0.06							1.0
KHWEEBZ		8499	240	IP		2253	0.74	-0.31							1.0
LPHEPBZ		8538	239	IP		2253	2.98	0.05							1.0
KDWANBZ		8646	239	IP		2253	8.23	0.05							1.0
MAKGRBZ		8764	237	IP		2253	14.03	0.23							1.0
SKOMABZ		8772	239	IP		2253	14.22	0.09							1.0
KGCAEBZ		8841	241	IP		2253	17.40	-0.05							1.0
PHPENBZ		8918	238	IP		2253	20.77	-0.22							1.0
KOOLEBZ		9032	242	IP		2253	26.39	0.05							1.0

**June 22 2020 Hour: 10: 6 55.3 Lat: 44.48S Lon: 77.08E D: 0.1 Ag: BGS Distant**  
**Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		5177	279	IP		1015	24.61	-0.46							1.0
KDWANBZ		5270	279	IP		1015	31.40	-0.22							1.0
LKGWBBZ		5490	275	IP		1015	46.18	-0.81							1.0
GRTLGBZ		5684	278	IP		1016	0.66	0.39							1.0
SKOMABZ		5248	277	IP		1015	30.12								

**June 22 2020 Hour: 12:18 0.0 Lat: 24.08S Lon: 25.98E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.0ML BGS**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		81	351	IP		1218	13.18	0.13							1.0
LPHEPBE		81	351	IS		1218	22.53	-0.13							1.0
LPHEPBN		81	351	IAML		1218	29.67			6	0.2				
KDWANBZ		155	300	IP		1218	25.27	0.37							1.0
KDWANBN		155	300	IS		1218	43.25	-0.05							1.0
KDWANBN		155	300	IAML		1218	47.13			41	0.2				
KDWANBN		155	300	IAML		1218	47.15			39	0.2				
SKOMABZ		213	257	IP		1218	32.56	0.46							1.0
SKOMABN		213	257	IS		1218	55.39	-0.43							1.0
SKOMABN		213	257	IAML		1219	6.55			12	0.3				
MAKGRBZ		226	212	IP		1218	32.68	-0.96							1.0
MAKGRBE		226	212	IS		1218	59.11	0.61							1.0
MAKGRBE		226	212	AMP		1219	6.09			488	0.3				

**June 22 2020 Hour: 12:55 1.2 Lat: 21.41S Lon: 25.41E D: 3.2 Ag: BGS Local**  
**Magnitudes: 1.9ML BGS**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		59	176	IP		1255	10.78	0.03							1.0
KHWEEBE		59	176	IS		1255	17.70	-0.11							1.0
KHWEEBE		59	176	IAML		1255	24.74			393	0.6				
SOOWABZ		126	42	IP		1255	21.81	0.27							1.0
SOOWABN		126	42	IS		1255	36.14	-0.45							1.0
SOOWABN		126	42	IAML		1255	38.35			55	0.6				
BROLNBZ		203	80	IP		1255	31.83	0.22							1.0
BROLNBN		203	80	IS		1255	54.25	0.13							1.0
BROLNBE		203	80	IAML		1255	56.28			13	0.7				
LPHEPBZ		221	168	IP		1255	33.73	-0.11							1.0
LPHEPBE		221	168	IS		1255	57.98	-0.01							1.0
LPHEPBE		221	168	IAML		1256	0.81			7	0.5				
KDWANBZ		231	199	IP		1255	35.26	0.15							1.0
KDWANBN		231	199	IS		1256	0.08	-0.12							1.0
KDWANBE		231	199	IAML		1256	5.20			7	0.6				



**June 22 2020 Hour: 13:17 46.1 Lat: 28.31S Lon: 31.45E D: 0.1 Ag: BGS Regional**  
**Magnitudes: 3.0ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		715	291	IP		1319	19.57	0.00							1.0
MAKGRBN		715	291	IS		1320	28.60	-0.14							1.0
MAKGRBN		715	291	IAML		1320	53.54			119	0.3				
LPHEPBZ		783	313	IP		1319	27.79	0.17							1.0
LPHEPBN		783	313	IS		1320	42.29	-0.47							1.0
LPHEPBN		783	313	IAML		1321	0.78			9	0.4				
SKOMABZ		859	298	IP		1319	36.32	-0.20							1.0
SKOMABN		859	298	IS		1320	59.08	0.83							1.0
SKOMABN		859	298	IAML		1321	36.09			15	0.5				
KDWANBZ		872	307	IP		1319	38.62	0.58							1.0
KDWANBE		872	307	IS		1321	0.09	-0.80							1.0
KDWANBN		872	307	IAML		1321	23.93			11	0.7				
BROLNBZ		900	332	IP		1319	40.77	-0.61							1.0
BROLNBE		900	332	IS		1321	7.35	0.64							1.0
BROLNBE		900	332	IAML		1321	35.52			16	0.3				

**June 23 2020 Hour: 7:43 11.3 Lat: 3.56S Lon: 125.88E D: 0.6 Ag: BGS Distant**  
**Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ10763		248	248	IP		756	43.22	-0.49							1.0
LPHEPBZ10885		246	246	IP		756	49.51	0.92							1.0
KHWEEBZ10946		247	247	IP		756	51.23	0.15							1.0
KDWANBZ11006		246	246	IP		756	54.28	1.14							1.0
KSANEBZ11032		251	251	IP		756	54.01	-0.16							1.0
SKOMABZ11062		245	245	IP		756	53.61	-1.75							0.9

**June 23 2020 Hour: 13:10 22.4 Lat: 20.13S Lon: 23.41E D: 10.7 Ag: BGS Local**  
**Magnitudes: 2.1ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		423	105	IP		1311	19.96	0.61							1.0
BROLNBE		423	105	IS		1312	1.18	-0.35							1.0
BROLNBE		423	105	IAML		1312	27.17			9	0.6				
KOOLEBZ		460	226	IP		1311	23.81	0.00							1.0
SKOMABZ		489	174	IP		1311	26.70	-0.61							1.0
SKOMABN		489	174	IS		1312	15.73	0.35							1.0
SKOMABE		489	174	IAML		1312	26.92			8	0.3				

**June 23 2020 Hour: 15:14 32.6 Lat: 26.17S Lon: 29.95E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.8ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		517	273	IP		1515	42.22	0.03							1.0
MAKGRBE		517	273	IS		1516	34.36	0.68							1.0
MAKGRBN		517	273	IAML		1516	50.77			174	0.4				
LPHEPBZ		518	306	IP		1515	41.94	-0.23							1.0
LPHEPBE		518	306	IS		1516	32.39	-1.26							1.0
LPHEPBE		518	306	IAML		1516	50.99			16	0.5				
KDWANBZ		618	299	IP		1515	54.02	-0.31							1.0
KDWANBE		618	299	IS		1516	55.27	0.46							1.0
KDWANBE		618	299	IAML		1517	23.75			22	0.5				
BROLNBZ		621	334	IP		1515	55.32	0.55							1.0
BROLNBE		621	334	IS		1516	56.20	0.63							1.0
BROLNBN		621	334	IAML		1517	35.86			9	0.4				
SKOMABZ		633	285	IP		1515	56.12	-0.06							1.0
KHWEEBZ		654	315	IP		1515	58.28	-0.50							1.0



**June 23 2020 Hour: 15:29 0.7 Lat: 12.25N Lon: 97.01W D: 0.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	13310	110	IP			1547	52.37	-0.08							1.0
GRTLGBZ	13410	108	IP			1547	53.50	-0.65							1.0
KGCAEBZ	13516	109	IP			1547	56.49	0.53							1.0
PHPENBZ	13581	112	IP			1547	56.14	-0.91							1.0
SKOMABZ	13692	111	IP			1547	59.17	0.23							1.0
KDWANBZ	13768	110	IP			1548	0.68	0.43							1.0
KSANEBZ	13807	103	IP			1548	0.68	-0.25							1.0
KHWEEBZ	13849	108	IP			1548	2.08	0.42							1.0
LPHEPBZ	13890	110	IP			1548	2.57	0.22							1.0
SOOWABZ	13928	107	IP			1548	3.32	0.34							1.0
BROLNBZ	14045	107	IP			1548	4.68	-0.31							1.0

**June 23 2020 Hour: 17:50 33.9 Lat: 7.45N Lon: 139.54E D: 0.1 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	12615	250	IP			18 9	12.84	-0.81							1.0
LPHEPBZ	12760	248	IP			18 9	16.28	0.14							1.0
KHWEEBZ	12809	249	IP			18 9	16.59	-0.39							1.0
MAKGRBZ	12852	245	IP			18 9	17.69	-0.05							1.0
KDWANBZ	12883	248	IP			18 9	18.47	0.22							1.0
SKOMABZ	12949	246	IP			18 9	18.94	-0.44							1.0
KGCAEBZ	13137	248	IP			18 9	23.33	0.69							1.0
LKGWBBZ	13228	247	IP			18 9	23.64	-0.56							1.0
GRTLGBZ	13249	250	IP			18 9	25.05	0.47							1.0
KOOLEBZ	13342	248	IP			18 9	26.93	0.74							1.0

**June 24 2020 Hour: 16:14 35.0 Lat: 18.37S Lon: 26.40E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	145	296	IP			1614	59.32	0.97							1.0
KSANEBE	145	296	IS			1615	15.09	-0.54							1.0
KSANEBN	145	296	IAML			1615	21.73			121	0.6				
SOOWABZ	243	184	IP			1615	11.00	0.24							1.0
SOOWABN	243	184	IS			1615	37.05	-0.18							1.0
SOOWABN	243	184	IAML			1615	49.49			86	0.5				
BROLNBZ	318	162	IP			1615	18.74	-1.27							1.0
BROLNBN	318	162	IS			1615	54.11	0.79							1.0
BROLNBE	318	162	IAML			1615	58.09			19	0.6				

**June 24 2020 Hour: 17:41 45.5 Lat: 29.73N Lon: 83.20W D: 15.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKGWBBZ	12621	105	IP			18 0	22.18	-0.73							1.0
PHPENBZ	12833	106	IP			18 0	26.82	0.29							1.0
SKOMABZ	12893	105	IP			18 0	27.50	-0.05							1.0
KDWANBZ	12913	103	IP			18 0	28.18	0.28							1.0
KHWEEBZ	12925	101	IP			18 0	27.50	-0.62							1.0
SOOWABZ	12937	100	IP			18 0	27.84	-0.47							1.0
LPHEPBZ	13025	103	IP			18 0	30.27	0.44							1.0
MAKGRBZ	13028	106	IP			18 0	30.08	0.18							1.0
BROLNBZ	13067	100	IP			18 0	31.22	0.65							1.0

**June 24 2020 Hour: 18:29 13.0 Lat: 13.60S Lon: 34.88E D: 15.0 Ag: BGS Local**  
**Magnitudes: 3.8ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	1140	245	IP			1831	34.84	-0.04							1.0
BROLNBZ	1154	223	IP			1831	36.63	0.18							1.0
BROLNBE	1154	223	IS			1833	22.13	-0.49							1.0
BROLNBE	1154	223	IAML			1834	29.43			33	0.6				
SOOWABZ	1201	229	IP			1831	41.37	-0.64							0.9



MAKGRBZ	8734	230	IP		2117	36.49	0.63										1.0
PHPENBZ	8849	231	IP		2117	40.72	-0.55										1.0
KOOLEBZ	8865	235	IP		2117	42.47	0.37										1.0
LKGWBBZ	8869	233	IP		2117	41.66	-0.60										1.0

**June 26 2020 Hour: 7:21 10.4 Lat: 39.05N Lon: 27.78E D: 0.8 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	6594	182	IP			731	13.73	-0.02							1.0
BROLNBZ	6651	180	IP			731	17.25	-0.08							1.0
GRTLGBZ	6715	187	IP			731	21.24	-0.06							1.0
KGCAEBZ	6870	186	IP			731	30.89	0.17							1.0
LPHEPBZ	6904	182	IP			731	33.03	0.24							1.0
SKOMABZ	7040	184	IP			731	40.69	-0.24							1.0

**June 26 2020 Hour: 15:27 48.0 Lat: 21.25S Lon: 25.50E D: 0.0 Ag: BGS Local**  
**Magnitudes: 1.8ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ	77	184	IP			1527	59.24	-1.24							1.0
SOOWABZ	107	45	IP			1528	5.29	0.08							1.0
SOOWABN	107	45	IS			1528	17.74	-0.20							1.0
SOOWABN	107	45	IAML			1528	20.11		53	0.5					1.0
BROLNBZ	191	85	IP			1528	17.18	-0.14							1.0
BROLNBN	191	85	IS			1528	39.16	0.15							1.0
BROLNBN	191	85	IAML			1528	40.04		23	0.6					1.0
LPHEPBZ	237	171	IP			1528	23.30	0.31							1.0
LPHEPBN	237	171	IS			1528	49.25	0.38							1.0
LPHEPBE	237	171	IAML			1528	55.21		5	0.6					1.0
KDWANBZ	251	200	IP			1528	25.73	0.96							1.0
KDWANBE	251	200	IS			1528	51.67	-0.30							1.0
KDWANBN	251	200	IAML			1528	56.26		12	0.5					1.0

**June 26 2020 Hour: 15:51 31.7 Lat: 18.43S Lon: 26.42E D: 9.2 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	150	297	IP			1551	55.16	0.25							1.0
KSANEBN	150	297	IS			1552	11.97	-0.11							1.0
KSANEBN	150	297	IAML			1552	16.83		106	0.3					1.0
SOOWABZ	237	185	IP			1552	6.05	0.28							1.0
SOOWABN	237	185	IS			1552	32.16	1.19							1.0
SOOWABN	237	185	IAML			1552	45.07		144	0.4					1.0
BROLNBZ	311	162	IP			1552	15.93	0.98							1.0
BROLNBE	311	162	IS			1552	46.02	-0.92							1.0
BROLNBN	311	162	IAML			1552	55.33		17	0.7					1.0
KHWEEBZ	402	194	IP			1552	24.79	-1.51							1.0
KHWEEBN	402	194	IS			1553	6.55	-0.16							1.0
KHWEEBE	402	194	IAML			1553	26.25		155	0.4					1.0

**June 27 2020 Hour: 11:39 42.5 Lat: 23.67S Lon: 27.46E D: 97.9 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	167	281	IP			1140	7.14	-0.54							1.0
LPHEPBN	167	281	IS			1140	26.60	0.30							1.0
LPHEPBE	167	281	IAML			1140	31.80		55	0.6					1.0
KHWEEBZ	282	312	IP			1140	20.67	0.05							1.0
KHWEEBN	282	312	IS			1140	48.74	-0.07							1.0
KHWEEBE	282	312	IAML			1141	5.99		77	0.4					1.0
BROLNBZ	285	357	IP			1140	21.34	0.32							1.0
BROLNBE	285	357	IS			1140	49.34	-0.17							1.0
BROLNBE	285	357	IAML			1141	7.26		18	0.8					1.0
KDWANBZ	288	276	IP			1140	21.62	0.28							1.0
KDWANBE	288	276	IS			1140	49.99	-0.07							1.0
KDWANBN	288	276	IAML			1141	11.04		17	0.6					1.0
SKOMABZ	371	255	IP			1140	30.90	-0.10							1.0



SKOMABE 371 255 IAML 1140 42.03 8 0.7  
 SKOMABN 371 255 IS 1141 6.87 0.00 1.0

**June 27 2020 Hour: 16:34 4.4 Lat: 26.47S Lon: 28.28E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		356	281	IP		1634	53.37	-0.71							1.0
MAKGRBN		356	281	IS		1635	30.94	0.06							1.0
MAKGRBN		356	281	IAML		1635	35.34		199	0.4					1.0
LPHEPBZ		422	324	IP		1635	2.57	0.24							1.0
LPHEPBE		422	324	IS		1635	43.45	-1.78							1.0
LPHEPBN		422	324	IAML		1635	57.98		20	0.5					1.0
SKOMABZ		488	295	IP		1635	9.96	-0.36							1.0
SKOMABN		488	295	IS		1636	0.04	0.92							1.0
SKOMABN		488	295	IAML		1636	13.95		26	0.3					1.0
KDWANBZ		501	312	IP		1635	11.84	-0.05							1.0
KDWANBN		501	312	IS		1636	2.69	0.83							1.0
KDWANBE		501	312	IAML		1636	14.78		54	0.4					1.0
BROLNBZ		602	351	IP		1635	24.81	0.60							1.0
BROLNBN		602	351	IS		1636	23.55	0.25							1.0
BROLNBE		602	351	IAML		1636	27.96		13	0.4					1.0

**June 27 2020 Hour: 17:14 26.4 Lat: 17.82S Lon: 27.42E D: 13.9 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZBZ		239	270	IP		1715	0.61	0.37							1.0
KSANEZBN		239	270	IS		1715	25.08	-0.21							1.0
KSANEZBN		239	270	IAML		1715	31.66		150	0.2					1.0
SOOWABZ		329	202	IP		1715	10.89	-0.46							1.0
SOOWABN		329	202	IS		1715	44.89	0.27							1.0
SOOWABE		329	202	IAML		1716	5.46		129	0.7					1.0
BROLNBZ		363	181	IP		1715	15.74	0.11							1.0
BROLNBE		363	181	IS		1715	52.01	-0.06							1.0
BROLNBN		363	181	IAML		1716	12.31		9	0.3					1.0
KHWEEBZ		501	204	IP		1715	32.52	-0.01							1.0

**June 28 2020 Hour: 17:51 37.0 Lat: 17.92S Lon: 24.13E D:654.4 Ag: BGS Local**  
**Rms: 2.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRTLGBZ		489	218	IP		1753	16.97	2.10							1.0
KGCAEBZ		583	200	IP		1753	22.67	0.77							1.0
LPHEPBZ		629	164	IP		1753	27.97	2.31							1.0
KOOLEBZ		696	215	IP		1753	28.76	-2.60							1.0
LKGWBBZ		750	203	IP		1753	35.25	-0.84							1.0
PHPENBZ		848	189	IP		1753	42.71	-2.30							1.0
MAKGRBZ		877	176	IP		1753	45.47	-2.37							1.0
KDWANBZ		608	175	IP		1753	23.96								1.0
SKOMABZ		731	182	IP		1753	34.35								1.0

**June 29 2020 Hour: 19:40 26.0 Lat: 12.03S Lon: 11.77W D: 0.5 Ag: BGS Distant**  
**Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ		3595	114	IP		1946	56.03	-0.86							1.0
GRTLGBZ		3658	111	IP		1947	1.52	-0.32							1.0
LKGWBBZ		3728	116	IP		1947	8.08	0.83							1.0
KGCAEBZ		3792	113	IP		1947	13.37	1.07							1.0
SKOMABZ		4006	115	IP		1947	27.83	-0.96							1.0
KDWANBZ		4051	113	IP		1947	32.70	0.47							1.0
KHWEEBZ		4101	111	IP		1947	35.99	-0.12							1.0
MAKGRBZ		4126	117	IP		1947	37.94	-0.08							1.0



**June 30 2020 Hour: 13:57 21.2 Lat: 21.34S Lon: 25.46E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		67	181	IP		1357	31.19	-0.79							1.0
KHWEEBE		67	181	IS		1357	39.40	-0.53							1.0
KHWEEBE		67	181	IAML		1357	55.60		427	0.6					
SOOWABZ		117	42	IP		1357	39.86	-0.26							1.0
SOOWABE		117	42	IS		1357	53.28	-0.81							1.0
SOOWABN		117	42	IAML		1358	2.02		206	0.6					
BROLNBZ		196	82	IP		1357	52.52	1.34							1.0
BROLNBE		196	82	IS		1358	13.26	-0.07							1.0
BROLNBN		196	82	IAML		1358	19.08		103	0.6					
LPHEPBZ		227	170	IP		1357	55.90	0.89							1.0
LPHEPBE		227	170	IS		1358	19.92	-0.07							1.0
LPHEPBE		227	170	IAML		1358	26.75		31	0.6					
KDWANBZ		240	200	IP		1357	57.39	0.79							1.0
KDWANBN		240	200	IS		1358	22.34	-0.42							1.0
KDWANBN		240	200	IAML		1358	26.86		61	0.5					
KGCAEBZ		375	243	IP		1358	13.31	-0.09							1.0

**July 1 2020 Hour: 14:59 7.1 Lat: 26.10S Lon: 29.85E D: 5.7 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		504	306	IP		15	0	13.94	-0.50						1.0
LPHEPBE		504	306	IS		15	1	4.68	0.38						1.0
LPHEPBN		504	306	IAML		15	1	24.04		13	0.4				
MAKGRBZ		506	272	IP		15	0	14.10	-0.59						1.0
MAKGRBN		506	272	IS		15	1	4.42	-0.32						1.0
MAKGRBN		506	272	IAML		15	1	23.64		85	0.4				
BROLNBZ		610	335	IP		15	0	27.25	0.01						1.0
BROLNBE		610	335	IS		15	1	26.47	-0.11						1.0
BROLNBE		610	335	IAML		15	2	0.61		9	0.4				
SKOMABZ		621	285	IP		15	0	28.73	0.19						1.0
PHPENBZ		704	274	IP		15	0	39.60	0.93						1.0

**July 1 2020 Hour: 15: 8 21.8 Lat: 23.58S Lon: 19.33E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.8ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRTLGBZ		313	39	IP		15	9	6.54	0.25						1.0
SKOMABZ		480	103	IP		15	9	25.68	-1.13						1.0
SKOMABN		480	103	IS		1510	14.82	-0.06							1.0
SKOMABN		480	103	IAML		1511	22.19		13	0.6					
MAKGRBZ		606	115	IP		15	9	42.85	0.66						1.0
MAKGRBE		606	115	IS		1510	41.93	0.28							1.0
MAKGRBN		606	115	IAML		1511	0.61		72	0.6					

**July 3 2020 Hour: 11:41 23.2 Lat: 22.26S Lon: 25.01E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.0ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KDWANBZ		129	196	IP		1141	43.61	-0.36							1.0
LPHEPBZ		150	145	IP		1141	47.58	0.34							1.0
LPHEPBN		150	145	IS		1142	5.08	0.04							1.0
LPHEPBN		150	145	IAML		1142	11.54		49	0.3					
SKOMABZ		273	204	IP		1142	3.26	0.66							1.0
BROLNBZ		273	62	IP		1142	2.82	0.24							1.0
BROLNBE		273	62	IS		1142	31.47	-0.27							1.0
BROLNBE		273	62	IAML		1142	40.11		14	0.2					
MAKGRBZ		394	183	IP		1142	16.98	-0.66							1.0



**July 3 2020 Hour: 13:10 4.0 Lat: 26.19S Lon: 33.99E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.4ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	880	289		IP		1311	56.15	-0.67							1.0
LPHEPBN	880	289		IS		1313	20.01	-0.31							1.0
LPHEPBN	880	289		IAML		1313	44.54			8	0.4				
BROLNBZ	882	308		IP		1311	57.68	0.56							1.0
BROLNBE	882	308		IS		1313	20.90	0.05							1.0
BROLNBE	882	308		IAML		1314	23.15			20	0.6				
MAKGRBZ	921	271		IP		1312	1.80	0.12							1.0
MAKGRBN	921	271		IS		1313	29.52	0.73							1.0
MAKGRBN	921	271		IAML		1313	45.71			56	0.5				
PHPENBZ	1119	272		IP		1312	24.84	-0.11							1.0
PHPENBE	1119	272		IS		1314	8.87	-0.39							1.0
PHPENBN	1119	272		IAML		1315	33.69			118	0.3				

**July 4 2020 Hour: 3:10 54.8 Lat: 18.98S Lon: 23.43E D: 14.7 Ag: BGS Local**  
**Magnitudes: 3.3ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZBZ	225	55		IP		311	26.90	0.06							1.0
SOOWABZ	341	121		IP		311	41.48	0.30							1.0
SOOWABN	341	121		IS		312	14.81	-0.71							1.0
SOOWABN	341	121		IAML		312	28.10			204	0.3				
KHWEEBZ	390	148		IP		311	48.73	1.44							1.0
KHWEEBN	390	148		IS		312	27.08	0.92							1.0
KHWEEBE	390	148		IAML		312	38.65			449	0.4				
KGCAEBZ	447	196		IP		311	54.47	0.19							1.0
BROLNBZ	471	120		IP		311	57.45	0.24							1.0
BROLNBN	471	120		IS		312	43.44	0.02							1.0
BROLNBN	471	120		IAML		312	59.28			85	0.5				
KDWANBZ	503	165		IP		312	1.17	0.05							1.0
LPHEPBZ	547	153		IP		312	5.48	-0.89							1.0
KOOLEBZ	557	217		IP		312	8.23	0.63							1.0
SKOMABZ	615	175		IP		312	13.88	-0.73							1.0
MAKGRBZ	769	170		IP		312	31.56	-1.52							1.0

**July 4 2020 Hour: 9:53 15.0 Lat: 37.11N Lon: 68.25E D: 0.0 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	7735	221		IP		10	4	25.75	-0.27						1.0
LPHEPBZ	8027	221		IP		10	4	42.33	0.34						1.0
KDWANBZ	8099	222		IP		10	4	46.23	0.39						1.0
KGCAEBZ	8200	224		IP		10	4	51.16	-0.08						1.0
SKOMABZ	8244	221		IP		10	4	53.30	-0.21						1.0
MAKGRBZ	8311	220		IP		10	4	56.86	-0.16						1.0

**July 4 2020 Hour: 16: 0 43.4 Lat: 13.81S Lon: 40.86E D: 0.0 Ag: BGS Regional**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	1647	239		IP		16	4	13.65	-0.30						1.0
BROLNBN	1647	239		IS		16	6	59.38	-0.57						1.0
BROLNBN	1647	239		IAML		16	9	14.59			22	0.9			
SOOWABZ	1726	242		IP		16	4	23.52	-0.03						1.0
SOOWABE	1726	242		IS		16	7	17.91	0.55						1.0
SOOWABN	1726	242		IAML		16	9	31.83			41	0.7			
LPHEPBZ	1902	234		IP		16	4	42.86	-0.89						1.0
LPHEPBE	1902	234		IS		16	7	55.77	0.19						1.0
LPHEPBN	1902	234		IAML		1610	15.44				8	0.9			
KDWANBZ	2009	236		IP		16	4	55.68	-0.04						1.0
SKOMABZ	2136	234		IP		16	5	9.64	0.68						1.0
MAKGRBZ	2141	229		IP		16	5	9.83	0.38						1.0



**July 5 2020 Hour: 8:54 36.5 Lat: 81.20N Lon: 143.36E D: 0.0 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12677	294	IP			913	17.18	-0.80							1.0
BROLNBZ	12718	293	IP			913	18.14	-0.57							1.0
KHWEEBZ	12840	294	IP			913	20.43	-0.39							1.0
GRTLGBZ	12841	299	IP			913	20.01	-0.84							1.0
LPHEPBZ	12988	294	IP			913	24.09	0.73							1.0
KGCAEBZ	12989	298	IP			913	23.68	0.28							1.0
KDWANBZ	13009	295	IP			913	24.70	0.98							1.0
KOOLEBZ	13034	300	IP			913	24.02	-0.19							1.0
LKGWBBZ	13141	298	IP			913	26.58	0.55							1.0
SKOMABZ	13144	296	IP			913	26.07	0.03							1.0
MAKGRBZ	13272	294	IP			913	28.51	0.23							1.0

**July 5 2020 Hour: 8:54 37.6 Lat: 81.87N Lon: 143.89E D: 2.9 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12654	295	IP			913	17.32	-0.89							1.0
BROLNBZ	12697	293	IP			913	18.14	-0.83							1.0
GRTLGBZ	12812	300	IP			913	20.18	-0.80							1.0
KGCAEBZ	12961	298	IP			913	23.52	-0.03							1.0
LPHEPBZ	12965	295	IP			913	23.88	0.28							1.0
KDWANBZ	12984	296	IP			913	24.64	0.71							1.0
KOOLEBZ	13004	300	IP			913	24.19	-0.13							1.0
LKGWBBZ	13113	299	IP			913	26.56	0.39							1.0
SKOMABZ	13119	296	IP			913	26.62	0.38							1.0
MAKGRBZ	13248	295	IP			913	29.38	0.88							1.0

**July 5 2020 Hour: 11:37 43.5 Lat: 23.63S Lon: 27.35E D: 21.1 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS**  
**Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	155	281	IP			1138	4.64	-1.64							1.0
LPHEPBN	155	281	IS			1138	23.47	0.34							1.0
LPHEPBN	155	281	IAML			1138	29.55			55	0.6				
BROLNBZ	280	360	IP			1138	21.81	-0.05							1.0
BROLNBN	280	360	IS			1138	49.91	-0.35							1.0
BROLNBN	280	360	IAML			1139	3.60			11	0.8				
MAKGRBZ	353	226	IP			1138	31.54	0.64							1.0
MAKGRBN	353	226	IS			1139	5.51	-0.47							1.0
MAKGRBN	353	226	IAML			1139	21.69			31	0.4				
SOOWABZ	359	341	IP			1138	31.84	0.19							1.0
SOOWABE	359	341	IS			1139	7.77	0.48							1.0
SOOWABE	359	341	IAML			1139	33.35			40	0.4				
SKOMABZ	361	254	IP			1138	32.71	0.87							1.0

**July 6 2020 Hour: 10:38 6.2 Lat: 26.20S Lon: 24.20E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KDWANBZ	316	9	IP			1038	50.39	-0.62							1.0
KDWANBE	316	9	IS			1039	24.59	0.44							1.0
KDWANBN	316	9	IAML			1040	22.01			26	0.8				
LPHEPBZ	356	28	IP			1038	55.93	-0.11							1.0
LPHEPBN	356	28	IS			1039	31.97	-0.93							1.0
LPHEPBE	356	28	IAML			1040	0.83			30	1.3				
BROLNBZ	649	30	IP			1039	32.42	0.67							1.0
BROLNBN	649	30	IS			1040	35.60	0.56							1.0
BROLNBE	649	30	IAML			1041	0.03			21	0.6				



**July 6 2020 Hour: 18:18 33.2 Lat: 27.42N Lon: 133.79E D: 10.5 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	12628	258	IP			1837	10.90	-0.59							1.0
LPHEPBZ	12859	256	IP			1837	15.60	0.13							1.0
KDWANBZ	12975	256	IP			1837	17.55	0.09							1.0
MAKGRBZ	13051	254	IP			1837	18.70	-0.10							1.0
SKOMABZ	13087	255	IP			1837	19.43	0.05							1.0
KGCAEBZ	13192	258	IP			1837	21.45	0.24							1.0
GRTLGBZ	13231	260	IP			1837	21.88	-0.02							1.0
KOOLEBZ	13391	258	IP			1837	24.84	0.17							1.0

**July 6 2020 Hour: 20:52 44.7 Lat: 59.00S Lon: 31.84W D: 0.2 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	5693	69	IP			21	1	50.23	-0.10						1.0
SKOMABZ	5754	73	IP			21	1	53.95	-0.44						1.0
KGCAEBZ	5814	71	IP			21	1	58.45	-0.04						1.0
KDWANBZ	5899	73	IP			21	2	4.64	0.50						1.0
GRTLGBZ	5902	69	IP			21	2	4.42	0.11						1.0
LPHEPBZ	5967	74	IP			21	2	8.92	0.28						1.0
SOOWABZ	6248	73	IP			21	2	27.04	0.05						1.0
BROLNBZ	6260	74	IP			21	2	27.38	-0.35						1.0

**July 6 2020 Hour: 22:53 45.4 Lat: 6.03S Lon: 111.62E D: 0.4 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	9189	250	IP			23	6	10.16	-0.35						1.0
SOOWABZ	9308	250	IP			23	6	16.28	0.21						1.0
LPHEPBZ	9324	247	IP			23	6	16.80	0.01						1.0
KHWEEBZ	9377	249	IP			23	6	18.92	-0.33						1.0
MAKGRBZ	9412	245	IP			23	6	21.03	0.18						1.0
KSANEZBZ	9442	253	IP			23	6	22.32	0.13						1.0
KDWANBZ	9446	247	IP			23	6	22.77	0.41						1.0
SKOMABZ	9510	246	IP			23	6	25.49	0.25						1.0
PHPENBZ	9610	245	IP			23	6	29.26	-0.42						1.0
KGCAEBZ	9702	247	IP			23	6	33.72	-0.01						1.0
GRTLGBZ	9819	249	IP			23	6	38.70	-0.09						1.0
KOOLEBZ	9906	247	IP			23	6	42.47	0.01						1.0

**July 7 2020 Hour: 4:43 58.8 Lat: 6.66S Lon: 106.77E D: 0.2 Ag: BGS Distant**  
**Rms: 0.1 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	8660	250	IP			455	58.17	-0.19							1.0
SOOWABZ	8779	250	IP			456	4.38	0.12							1.0
LPHEPBZ	8801	248	IP			456	5.60	0.25							1.0
MAKGRBZ	8896	245	IP			456	9.92	-0.10							1.0
KSANEZBZ	8908	253	IP			456	10.59	0.00							1.0
KDWANBZ	8924	247	IP			456	11.36	0.03							1.0
SKOMABZ	8991	246	IP			456	14.47	-0.09							1.0
PHPENBZ	9093	245	IP			456	19.46	0.00							1.0
GRTLGBZ	9293	249	IP			456	28.66	-0.16							1.0
KOOLEBZ	9383	248	IP			456	33.10	0.13							1.0

**July 7 2020 Hour: 4:44 0.2 Lat: 6.78S Lon: 106.56E D: 0.1 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	8634	250	IP			455	58.25	-0.20							1.0
SOOWABZ	8753	250	IP			456	4.35	-0.02							1.0
LPHEPBZ	8775	248	IP			456	5.71	0.26							1.0
MAKGRBZ	8870	245	IP			456	9.80	-0.34							1.0
KSANEZBZ	8883	253	IP			456	10.81	0.08							1.0
KDWANBZ	8897	248	IP			456	11.53	0.08							1.0



SKOMABZ	8965	246	IP	456	14.97	0.27											1.0
PHPENBZ	9067	245	IP	456	19.64	0.04											1.0
GRTLGBZ	9267	249	IP	456	28.82	-0.19											1.0
KOOLEBZ	9357	248	IP	456	33.20	0.03											1.0

**July 7 2020 Hour: 6:2 1.1 Lat: 15.60S Lon: 25.44E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.3ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		246	187	IP		6	2	36.28	-0.91						1.0
SOOWABZ		556	172	IP		6	3	15.57	0.25						1.0
SOOWABN		556	172	IS		6	4	9.46	-0.78						1.0
SOOWABE		556	172	IAML		6	5	27.71		124	0.5				
BROLNBZ		641	162	IP		6	3	25.26	-0.41						1.0
BROLNBN		641	162	IS		6	4	28.72	0.47						1.0
BROLNBE		641	162	IAML		6	4	53.87		47	0.6				
LPHEPBZ		861	177	IP		6	3	52.32	0.54						1.0
KDWANBZ		866	185	IP		6	3	52.76	0.43						1.0
KDWANBN		866	185	IS		6	5	15.05	0.42						1.0
KDWANBE		866	185	IAML		6	6	38.99		30	0.7				

**July 7 2020 Hour: 10:44 19.6 Lat: 26.30S Lon: 27.24E D: 7.3 Ag: BGS Local**  
**Rms: 1.0 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		250	282	IP		1044	57.23	1.73							1.0
LPHEPBZ		354	336	IP		1045	9.35	1.01							1.0
SKOMABZ		387	300	IP		1045	11.66	-0.82							1.0
KDWANBZ		415	321	IP		1045	14.86	-1.12							1.0
PHPENBZ		449	281	IP		1045	19.17	-0.91							1.0
KHWEEBZ		515	339	IP		1045	27.90	-0.22							1.0
KHWEEBE		515	339	IS		1046	17.67	-1.14							1.0
BROLNBZ		575	1	IP		1045	34.38	-1.06							1.0
SOOWABZ		643	350	IP		1045	44.61	0.95							1.0
GRTLGBZ		822	310	IP		1046	4.15	-0.71							1.0
KSANEBZ		965	347	IP		1046	22.74	1.07							1.0
BROLNBN		575	1	IS		1046	31.79	0.25							1.0
KDWANBE				IAML		1046	18.26			706	0.8				
KDWANBN		415	321	IS		1045	58.67	0.99							1.0
BROLNBE				IAML		1047	2.91			269	0.7				
KHWEEBN				IAML		1046	52.55			1997	0.6				

**July 7 2020 Hour: 13:48 3.7 Lat: 27.88S Lon: 30.32E D:203.4 Ag: BGS Local**  
**Magnitudes: 2.9ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		671	317	IP		1349	29.06	-0.23							1.0
LPHEPBE		671	317	IS		1350	32.72	0.13							1.0
LPHEPBN		671	317	IAML		1350	48.44			16	0.6				
KDWANBZ		756	310	IP		1349	38.67	-0.29							1.0
KDWANBN		756	310	IS		1350	49.58	0.16							1.0
KDWANBE		756	310	IAML		1351	23.23			20	0.6				
BROLNBZ		809	337	IP		1349	45.66	0.51							1.0
BROLNBE		809	337	IS		1350	59.90	-0.29							1.0
BROLNBE		809	337	IAML		1351	22.58			19	0.6				

**July 8 2020 Hour: 1:7 57.8 Lat: 83.86N Lon: 160.99E D: 0.0 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ12777			312	IP		126	40.44	-0.65							1.0
KHWEEBZ12887			314	IP		126	42.72	-0.27							1.0
LPHEPBZ13039			313	IP		126	46.38	0.77							1.0
KOOLEBZ13046			319	IP		126	45.62	-0.15							1.0
KDWANBZ13052			314	IP		126	45.77	-0.05							1.0
SKOMABZ13183			315	IP		126	48.06	-0.01							1.0
MAKGRBZ13318			314	IP		126	50.80	0.37							1.0



**July 8 2020 Hour: 14:10 33.8 Lat: 25.73S Lon: 29.38E D:308.0 Ag: BGS Local**  
**Magnitudes: 3.0ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		442	306	IP		1411	38.60	-0.70							1.0
MAKGRBZ		459	268	IP		1411	40.60	-0.40							1.0
MAKGRBE		459	268	IS		1412	31.19	0.44							1.0
MAKGRBN		459	268	IAML		1412	47.91		159	0.4					
BROLNBZ		553	337	IP		1411	51.41	0.80							1.0
BROLNBE		553	337	IS		1412	47.16	-0.30							1.0
BROLNBE		553	337	IAML		1413	30.47		11	0.5					
SOOWABZ		657	330	IP		1412	1.79	0.16							1.0

**July 8 2020 Hour: 23:45 46.4 Lat: 28.60S Lon: 17.82E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.0ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ		665	22	IP		2347	13.27	-0.56							1.0
KOOLEBN		665	22	IS		2348	18.57	0.02							1.0
KOOLEBN		665	22	IAML		2348	27.39		34	0.5					
GRTLGBZ		871	24	IP		2347	38.53	0.25							1.0
QNGWABZ		1060	19	IP		2348	0.77	0.29							1.0

**July 9 2020 Hour: 13:57 26.5 Lat: 21.05S Lon: 25.22E D:103.2 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ		116	63	IP		1357	47.62	0.85							1.0
SOOWABN		116	63	IS		1358	1.59	-0.17							1.0
SOOWABN		116	63	IAML		1358	5.98		82	0.3					
BROLNBZ		219	92	IP		1357	57.31	-0.32							1.0
BROLNBN		219	92	IS		1358	20.12	-0.55							1.0
BROLNBE		219	92	IAML		1358	29.58		28	0.7					
KDWANBZ		265	193	IP		1358	1.89	-0.92							1.0
KDWANBE		265	193	IS		1358	29.23	-0.44							1.0
KDWANBN		265	193	IAML		1358	35.90		26	0.3					
LPHEPBZ		265	166	IP		1358	3.80	1.01							1.0
LPHEPBN		265	166	IS		1358	30.19	0.55							1.0
LPHEPBE		265	166	IAML		1358	34.97		14	0.3					

**July 10 2020 Hour: 6:29 59.8 Lat: 3.74S Lon: 66.06E D: 0.1 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		4608	242	IP		637	48.12	0.06							1.0
LPHEPBZ		4837	240	IP		638	5.01	0.26							1.0
KDWANBZ		4953	240	IP		638	12.63	-0.48							1.0
QNGWABZ		5176	247	IP		638	28.79	-0.25							1.0
GRTLGBZ		5223	244	IP		638	32.79	0.41							1.0

**July 10 2020 Hour: 8:52 42.2 Lat: 25.71S Lon: 29.39E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		442	305	IP		853	42.21	-0.45							1.0
LPHEPBN		442	305	IS		854	28.29	0.90							1.0
LPHEPBE		442	305	IAML		854	48.17		32	0.5					
MAKGRBZ		461	268	IP		853	45.91	0.98							1.0
KDWANBZ		544	297	IP		853	55.02	-0.01							1.0
KDWANBN		544	297	IS		854	47.57	-1.34							1.0
KDWANBN		544	297	IAML		855	11.95		34	0.4					
BROLNBZ		552	337	IP		853	55.10	-0.86							1.0
BROLNBE		552	337	IS		854	51.31	0.79							1.0
BROLNBE		552	337	IAML		855	23.96		23	0.4					



**July 10 2020 Hour: 16: 6 34.2 Lat: 14.65S Lon: 30.71E D: 78.5 Ag: BGS Local**  
**Magnitudes: 3.7ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		798	206	IP		16	8	12.30-0.63							1.0
SOOWABZ		809	215	IP		16	8	13.93-0.30							1.0
KHWEEBZ		980	214	IP		16	8	33.70-0.66							1.0
KHWEEBE		980	214	IS		1610		3.67 0.41							1.0
KHWEEBE		980	214	IAML		1610		38.56	152	0.7					1.0
LPHEPBZ		1091	207	IP		16	8	48.33 0.96							1.0
LPHEPBE		1091	207	IS		1610		25.40-0.49							1.0
LPHEPBE		1091	207	IAML		1610		58.89	41	0.9					1.0
QNGWABZ		1149	241	IP		16	8	53.98-0.24							1.0
QNGWABN		1149	241	IS		1610		37.90 0.09							1.0
QNGWABN		1149	241	IAML		1611		32.54	15	1.2					1.0
KDWANBZ		1157	212	IP		16	8	55.77 0.65							0.9
SKOMABZ		1303	212	IP		16	9	12.64 0.39							0.8

**July 10 2020 Hour: 18:30 10.7 Lat: 27.52S Lon: 31.78E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.3ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		720	284	IP		1831		45.13 0.43							1.0
MAKGRBE		720	284	IS		1832		54.27-0.02							1.0
MAKGRBE		720	284	IAML		1833		23.55	108	0.5					1.0
BROLNBZ		842	327	IP		1831		59.03-0.03							1.0
BROLNBE		842	327	IS		1833		19.32 0.03							1.0
BROLNBE		842	327	IAML		1834		10.36	18	0.6					1.0
KDWANBZ		850	301	IP		1832		0.22 0.23							1.0
SKOMABZ		853	291	IP		1831		59.69-0.63							1.0

**July 12 2020 Hour: 4:21 27.7 Lat: 75.41N Lon: 125.68E D: 0.0 Ag: BGS Distant**  
**Magnitudes: 3.3ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRTLGBZ	12668		278	IP		440		8.39-0.71							1.0
LPHEPBZ	12751		273	IP		440		9.90-0.60							1.0
KDWANBZ	12786		274	IP		440		11.14 0.03							1.0
KOOLEBZ	12870		279	IP		440		12.79 0.19							1.0
SKOMABZ	12927		275	IP		440		13.88 0.35							1.0
LKGWBBZ	12961		278	IP		440		14.57 0.43							1.0
MAKGRBZ	13041		274	IP		440		15.81 0.29							1.0

**July 12 2020 Hour: 11:38 55.7 Lat: 23.71S Lon: 27.33E D: 31.1 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		155	284	IP		1139		17.60-0.15							1.0
KHWEEBZ		275	315	IP		1139		32.27-0.39							1.0
KHWEEBE		275	315	IS		1140		0.35 0.35							1.0
KHWEEBN		275	315	IAML		1140		14.46	87	0.4					1.0
BROLNBZ		289	0	IP		1139		35.05 0.59							1.0
BROLNBE		289	0	IS		1140		2.74-0.39							1.0
BROLNBE		289	0	IAML		1140		16.64	15	1.0					1.0

**July 13 2020 Hour: 15:38 9.5 Lat: 22.37S Lon: 20.08E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.9ML BGS Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		603	102	IP		1539		30.06 0.61							1.0
LPHEPBN		603	102	IS		1540		27.70-0.89							1.0
LPHEPBE		603	102	IAML		1540		55.06	9	0.7					1.0
MAKGRBZ		613	129	IP		1539		29.32-1.36							1.0
MAKGRBE		613	129	IS		1540		31.76 1.04							1.0
MAKGRBN		613	129	IAML		1540		55.26	99	0.5					1.0
BROLNBZ		763	81	IP		1539		49.27 0.61							1.0



**July 14 2020 Hour: 16:10 8.0 Lat: 18.76S Lon: 26.02E D: 13.0 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	140	319	IP			1610	29.90	0.25							1.0
KSANEBN	140	319	IS			1610	45.49	-0.14							1.0
KSANEBN	140	319	IAML			1610	52.66		161	0.2					
SOOWABZ	201	174	IP			1610	37.19	0.00							1.0
BROLNBZ	293	152	IP			1610	48.43	-0.25							1.0
BROLNBE	293	152	IS			1611	18.90	0.14							1.0
BROLNBE	293	152	IAML			1611	28.40		80	0.5					

**July 15 2020 Hour: 13:32 5.2 Lat: 26.35S Lon: 30.89E D: 0.1 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	607	302	IP			1333	25.29	-0.30							1.0
BROLNBZ	685	327	IP			1333	35.93	0.81							1.0
BROLNBN	685	327	IS			1334	41.21	-0.43							1.0
BROLNBE	685	327	IAML			1335	14.60		13	0.5					
KDWANBZ	710	296	IP			1333	37.61	-0.53							1.0
KDWANBE	710	296	IS			1334	47.36	0.45							1.0
KDWANBN	710	296	IAML			1335	2.62		18	0.7					

**July 17 2020 Hour: 2:50 9.5 Lat: 10.16S Lon: 151.22E D: 0.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ13001	234	IP				3 8	55.07	-0.82							1.0
LPHEPBZ13026	237	IP				3 8	56.44	0.14							1.0
SOOWABZ13123	240	IP				3 8	57.43	-0.52							1.0
KHWEEBZ13132	239	IP				3 8	57.80	-0.33							1.0
KDWANBZ13136	237	IP				3 8	58.67	0.49							1.0
SKOMABZ13145	235	IP				3 8	59.04	0.71							1.0
PHPENBZ13191	234	IP				3 8	59.16	0.03							1.0
KSANEBZ13348	243	IP				3 9	1.52	-0.31							1.0
LKGWBBZ13409	234	IP				3 9	2.26	-0.64							1.0
GRTLGBZ13554	237	IP				3 9	5.85	0.47							1.0
KOOLEBZ13561	235	IP				3 9	5.73	0.20							1.0
GMAREBZ13563	240	IP				3 9	5.73	0.22							1.0
QNGWABZ13650	239	IP				3 9	6.72	-0.29							1.0
XAUDMBZ13682	240	IP				3 9	8.21	0.64							1.0

**July 17 2020 Hour: 5:45 33.0 Lat: 23.81S Lon: 26.85E D:430.7 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	113	296	IP			546	26.22	-0.68							1.0
LPHEPBE	113	296	IS			547	7.17	0.39							1.0
LPHEPBE	113	296	IAML			547	23.65		11	0.2					
KDWANBZ	228	282	IP			546	32.08	0.10							1.0
KDWANBE	228	282	IS			547	15.56	-0.06							1.0
KDWANBE	228	282	IAML			547	41.79		22	0.3					
SKOMABZ	306	255	IP			546	37.48	0.58							1.0
SKOMABE	306	255	IS			547	23.83	-0.34							1.0
SKOMABE	306	255	IAML			547	34.94		16	0.2					

**July 17 2020 Hour: 5:39 18.7 Lat: 11.68S Lon: 83.48W D: 15.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKGWBBZ10948	117	IP				552	56.67	0.45							1.0
GRTLGBZ11034	114	IP				552	58.49	-0.81							1.0
QNGWABZ11087	112	IP				553	1.79	0.42							1.0
SKOMABZ11198	118	IP				553	5.10	-0.68							1.0
KDWANBZ11307	117	IP				553	10.55	0.39							1.0
LPHEPBZ11424	117	IP				553	15.01	0.19							1.0



**July 17 2020 Hour: 18:32 54.4 Lat: 11.77N Lon: 96.18E D: 0.3 Ag: BGS Distant**  
**Rms: 0.1 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	8582	243	IP			1844	50.05	0.03							1.0
KDWANBZ	8699	243	IP			1844	55.96	0.08							1.0
MAKGRBZ	8771	241	IP			1844	59.42	-0.08							1.0
SKOMABZ	8809	242	IP			1845	1.26	-0.04							1.0
QNGWABZ	8917	248	IP			1845	6.56	-0.07							1.0
GRTLGBZ	8970	246	IP			1845	9.21	0.00							1.0
KOOLEBZ	9122	245	IP			1845	16.54	0.07							1.0

**July 18 2020 Hour: 15:23 35.1 Lat: 18.39S Lon: 26.33E D: 26.2 Ag: BGS Local**  
**Magnitudes: 3.1ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZB	140	298	IP			1523	56.25	0.64							1.0
KSANEBN	140	298	IS			1524	10.66	-0.14							1.0
KSANEBN	140	298	IAML			1524	20.36			257	0.2				1.0
SOOWABZ	241	183	IP			1524	8.90	0.75							1.0
KHWEEBZ	405	193	IP			1524	28.99	0.53							1.0
KHWEEBN	405	193	IS			1525	9.34	1.37							1.0
KHWEEBN	405	193	IAML			1525	30.43			517	0.4				1.0
LPHEPBZ	553	185	IP			1524	45.95	-0.49							1.0
LPHEPBN	553	185	IS			1525	38.29	-0.96							1.0
LPHEPBE	553	185	IAML			1526	7.03			42	0.6				1.0
QNGWABZ	558	256	IP			1524	46.55	-0.48							1.0
KDWANBZ	579	197	IP			1524	49.54	-0.11							1.0
KDWANBN	579	197	IS			1525	44.79	-0.04							1.0
KDWANBE	579	197	IAML			1526	17.99			43	0.6				1.0
SKOMABZ	723	200	IP			1525	5.74	-1.08							1.0

**July 19 2020 Hour: 12:57 55.4 Lat: 24.94S Lon: 22.71E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.1ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	231	115	IP			1258	29.88	0.17							1.0
MAKGRBN	231	115	IS			1258	55.14	0.07							1.0
MAKGRBN	231	115	IAML			1259	3.75			31	0.2				1.0
KDWANBN	263	49	IS			1259	2.94	0.99							1.0
KDWANBE	263	49	IAML			1259	23.50			22	0.9				1.0
LPHEPBZ	365	62	IP			1258	46.59	0.31							1.0
LPHEPBN	365	62	IS			1259	23.04	-0.87							1.0
LPHEPBN	365	62	IAML			1259	31.93			12	1.1				1.0
KDWANBZ	263	49	IP			1258	33.00	-0.67							1.0

**July 20 2020 Hour: 3: 9 42.7 Lat: 53.61S Lon: 19.74W D:683.7 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	4762	60	IP			316	44.88	-0.02							1.0
SKOMABZ	4845	66	IP			316	50.94	0.33							1.0
GRTLGBZ	4970	60	IP			316	58.74	-0.47							1.0
KDWANBZ	4990	66	IP			317	0.82	0.27							1.0
LPHEPBZ	5064	67	IP			317	5.15	-0.44							1.0
QNGWABZ	5137	59	IP			317	10.69	0.18							1.0
XAUDMBZ	5238	58	IP			317	17.44	0.13							1.0
SOOWABZ	5337	65	IP			317	23.85	0.02							1.0
KSANEZB	5526	62	IP			317	36.32	0.00							1.0

**July 20 2020 Hour: 3: 8 5.0 Lat: 55.26S Lon: 28.51W D: 15.0 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	5353	68	IP			316	44.70	-0.20							1.0
SKOMABZ	5442	73	IP			316	51.22	0.24							1.0
GRTLGBZ	5561	68	IP			316	58.83	-0.42							1.0
KDWANBZ	5586	73	IP			317	1.01	0.06							1.0



LPHEPBZ	5661	74	IP	317	6.08	0.05											1.0
QNGWABZ	5726	67	IP	317	10.43	-0.00											1.0
XAUDMBZ	5827	66	IP	317	17.86	0.68											1.0
SOOWABZ	5933	72	IP	317	24.20	-0.03											1.0
KSANEBZ	6120	69	IP	317	36.16	-0.36											1.0

**July 20 2020 Hour: 23: 7 7.2 Lat: 57.38S Lon: 24.92W D: 0.0 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHPENBZ	5162	67	IP			2315	36.25	0.24							1.0
MAKGRBZ	5240	70	IP			2315	41.29	-0.24							1.0
KOOLEBZ	5248	63	IP			2315	42.06	-0.06							1.0
KDWANBZ	5456	68	IP			2315	56.51	-0.06							1.0
GRTLGBZ	5457	63	IP			2315	56.63	-0.02							1.0
LPHEPBZ	5525	69	IP			2316	1.43	0.13							1.0

**July 20 2020 Hour: 23: 9 1.0 Lat: 54.10S Lon: 13.91W D:700.0 Ag: BGS Distant**  
**Rms: 0.1 secs**

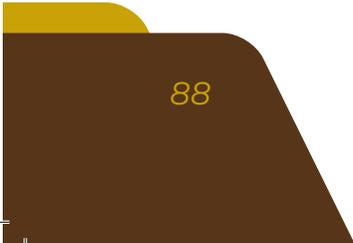
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	4461	61	IP			2315	41.31	-0.03							1.0
KOOLEBZ	4470	53	IP			2315	42.08	0.06							1.0
KDWANBZ	4676	59	IP			2315	56.37	-0.04							1.0
GRTLGBZ	4679	53	IP			2315	56.56	-0.08							1.0
LPHEPBZ	4745	60	IP			2316	1.29	0.08							1.0
KHWEEBZ	4853	58	IP			2316	8.63	-0.02							1.0
QNGWABZ	4853	52	IP			2316	8.63	0.02							1.0

**July 20 2020 Hour: 23:26 30.9 Lat: 23.45S Lon: 25.89E D: 17.0 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	10	341	IP			2326	33.70	-0.49							1.0
LPHEPBE	10	341	IS			2326	37.06	0.44							1.0
LPHEPBE	10	341	IAML			2326	38.54		311	0.5					
KDWANBZ	126	273	IP			2326	50.89	0.45							1.0
KDWANBN	126	273	IS			2327	4.77	-0.13							1.0
KDWANBN	126	273	IAML			2327	11.68		52	0.5					
KHWEEBZ	173	345	IP			2326	55.07	-1.17							1.0
KHWEEBN	173	345	IS			2327	14.90	-0.08							1.0
KHWEEBN	173	345	IAML			2327	17.56		326	0.3					
SKOMABZ	232	239	IP			2327	4.23	0.67							1.0
MAKGRBZ	284	203	IP			2327	9.25	-0.83							1.0
MAKGRBN	284	203	IS			2327	39.60	0.54							1.0
MAKGRBE	284	203	IAML			2327	53.54		99	0.4					
SOOWABZ	321	6	IP			2327	15.68	0.98							1.0
SOOWABE	321	6	IS			2327	47.25	0.14							1.0
SOOWABE	321	6	IAML			2327	57.67		61	0.8					
PHPENBZ	381	233	IP			2327	21.57	-0.52							1.0

**July 20 2020 Hour: 23:26 29.8 Lat: 23.22S Lon: 26.02E D: 2.2 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	23	227	IP			2326	33.71	0.16							1.0
KDWANBZ	141	263	IP			2326	51.52	-0.85							1.0
KDWANBN	141	263	IS			2327	9.26	0.19							1.0
KHWEEBZ	153	337	IP			2326	53.92	-0.23							1.0
KHWEEBN	153	337	IS			2327	12.79	0.62							1.0
KHWEEBN	153	337	IAML			2327	17.54		317	0.3					
SKOMABZ	257	236	IP			2327	7.40	0.39							1.0
SKOMABE	257	236	IS			2327	34.40	-0.15							1.0
SKOMABN	257	236	IAML			2327	42.95		34	0.3					
SOOWABZ	295	4	IP			2327	12.35	0.60							1.0
SOOWABE	295	4	IS			2327	42.08	-0.72							1.0
SOOWABE	295	4	IAML			2327	57.66		61	0.8					
KDWANBE	141	263	IAML			2327	11.38		108	0.3					



**July 21 2020 Hour: 20:55 47.5 Lat: 31.65S Lon: 169.24E D: 16.2 Ag: BGS Regional**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ12627		215	IP			2114	24.73	-0.11							1.0
SKOMABZ12795		215	IP			2114	27.61	-0.09							1.0
KDWANBZ12861		216	IP			2114	29.16	0.32							1.0
KOOLEBZ13136		213	IP			2114	33.86	0.23							1.0
GRTLGBZ13239		214	IP			2114	34.74	-0.63							1.0
KSANEBZ13342		220	IP			2114	37.04	-0.07							1.0
QNGWABZ13414		215	IP			2114	38.69	0.32							1.0

**July 22 2020 Hour: 6:13 39.0 Lat: 84.89N Lon: 127.99W D: 0.1 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
XAUDMBZ12518		32	IP			632	17.66	-0.14							1.0
GMAREBZ12616		31	IP			632	18.75	-0.72							1.0
QNGWABZ12626		32	IP			632	19.43	-0.24							1.0
SOOWABZ12764		27	IP			632	21.45	-0.58							1.0
GRTLGBZ12828		32	IP			632	23.62	0.44							1.0
KHWEEBZ12913		28	IP			632	25.45	0.82							1.0
KOOLEBZ13002		33	IP			632	26.32	0.11							1.0
KDWANBZ13068		29	IP			632	27.79	0.50							1.0
LPHEPBZ13072		27	IP			632	27.09	-0.26							1.0
SKOMABZ13190		29	IP			632	29.30	-0.08							1.0
PHPENBZ13290		30	IP			632	31.28	0.16							1.0

**July 22 2020 Hour: 8:14 25.4 Lat: 86.36N Lon: 172.88W D: 0.1 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ12916		347	IP			833	10.67	-0.44							1.0
LPHEPBZ12946		341	IP			833	10.99	-0.58							1.0
KDWANBZ12950		342	IP			833	11.16	-0.49							1.0
SKOMABZ13077		343	IP			833	14.07	0.24							1.0
PHPENBZ13186		344	IP			833	16.42	0.71							1.0
MAKGRBZ13219		342	IP			833	16.86	0.56							1.0

**July 22 2020 Hour: 10: 9 32.0 Lat: 81.40N Lon: 105.83W D: 0.4 Ag: BGS Distant**  
**Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRTLGBZ12900		56	IP			1028	16.75	-0.52							1.0
KDWANBZ13167		53	IP			1028	22.18	0.32							1.0
LPHEPBZ13181		52	IP			1028	21.39	-0.71							1.0
SKOMABZ13282		54	IP			1028	24.76	0.93							1.0

**July 22 2020 Hour: 11: 3 11.2 Lat: 85.59N Lon: 157.04E D: 11.1 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ12876		315	IP			1121	53.98	-0.33							1.0
LPHEPBZ12881		310	IP			1121	53.65	-0.70							1.0
KDWANBZ12890		311	IP			1121	54.27	-0.25							1.0
LKGWBBZ12993		314	IP			1121	56.52	0.21							1.0
SKOMABZ13020		312	IP			1121	57.05	0.30							1.0
MAKGRBZ13157		311	IP			1121	59.92	0.77							1.0

**July 22 2020 Hour: 11:49 7.9 Lat: 23.81S Lon: 27.21E D: 0.9 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		147	289	IP		1149	30.27	-1.19							1.0
LPHEPBN		147	289	IS		1149	49.90	1.00							1.0
LPHEPBE		147	289	IAML		1149	55.40			74	0.6				
KDWANBZ		265	280	IP		1149	46.29	0.04							1.0
KDWANBE		265	280	IS		1150	13.86	-0.77							1.0
KDWANBE		265	280	IAML		1150	35.39			34	0.9				



**July 23 2020 Hour: 11: 9 29.1 Lat: 79.72N Lon: 143.29E D: 0.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12742	293	IP			1128	11.01	-0.68							1.0
BROLNBZ	12780	292	IP			1128	11.91	-0.45							1.0
KHWEEBZ	12906	294	IP			1128	15.00	0.45							1.0
GRTLGBZ	12918	298	IP			1128	14.05	-0.73							1.0
LPHEPBZ	13053	293	IP			1128	17.38	0.32							1.0
KDWANBZ	13076	294	IP			1128	18.02	0.54							1.0
KOOLEBZ	13114	299	IP			1128	18.52	0.35							1.0
SKOMABZ	13213	295	IP			1128	19.99	0.17							1.0

**July 23 2020 Hour: 11:44 10.8 Lat: 23.01S Lon: 26.99E D: 16.6 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	123	251	IP			1144	28.26	-1.68							1.0
LPHEPBN	123	251	IS			1144	44.10	-0.00							1.0
LPHEPBN	123	251	IAML			1144	57.43			42	0.5				
KHWEEBZ	198	306	IP			1144	39.38	0.08							1.0
KHWEEBE	198	306	IAML			1145	28.30			126	0.3				
BROLNBZ	214	10	IP			1144	41.25	-0.08							1.0
BROLNBE	214	10	IAML			1145	33.07			12	0.8				
KDWANBZ	242	260	IP			1144	46.13	1.31							1.0
KDWANBE	242	260	IAML			1145	36.76			38	0.7				
SKOMABZ	354	241	IP			1144	58.72	0.05							1.0
MAKGRBZ	382	215	IP			1145	2.52	0.33							1.0
LKGWBBN	602	257	IAML			1146	54.06			13	0.9				

**July 23 2020 Hour: 19:57 43.5 Lat: 85.36N Lon: 173.56E D: 0.0 Ag: BGS Distant**  
**Rms: 1.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	12982	332	IP			2016	31.55	1.26							1.0
LPHEPBZ	12997	327	IP			2016	31.42	0.92							1.0
KDWANBZ	13005	328	IP			2016	31.69	1.06							1.0
SKOMABZ	13133	328	IP			2016	34.55	1.71							1.0
GRTLGBZ	12798	331	IP			2016	26.99								

**July 24 2020 Hour: 3: 8 4.0 Lat: 85.15N Lon: 163.05E D: 0.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	12949	321	IP			326	49.82	-0.47							1.0
LPHEPBZ	12954	316	IP			326	49.63	-0.70							1.0
KDWANBZ	12964	317	IP			326	50.21	-0.29							1.0
LKGWBBZ	13066	320	IP			326	52.44	0.15							1.0
SKOMABZ	13093	318	IP			326	52.93	0.20							1.0
PHPENBZ	13206	319	IP			326	55.16	0.48							1.0
MAKGRBZ	13231	317	IP			326	55.74	0.61							1.0

**July 24 2020 Hour: 7:18 15.3 Lat: 79.56N Lon: 167.44E D: 0.1 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	13144	318	IP			737	4.40	-0.42							1.0
BROLNBZ	13187	317	IP			737	5.11	-0.48							1.0
LPHEPBZ	13455	318	IP			737	10.80	0.60							1.0
KDWANBZ	13473	319	IP			737	11.19	0.68							1.0
KOOLEBZ	13486	324	IP			737	10.58	-0.21							1.0
MAKGRBZ	13737	319	IP			737	14.94	-0.14							1.0



**July 24 2020 Hour: 13:25 29.6 Lat: 79.22N Lon: 143.16E D: 0.0 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12761	293	IP			1344	12.12	-0.40							1.0
BROLNBZ	12798	292	IP			1344	12.85	-0.32							1.0
KHWEEBZ	12926	293	IP			1344	15.26	-0.13							1.0
LPHEPBZ	13072	293	IP			1344	18.30	0.41							1.0
KDWANBZ	13097	294	IP			1344	18.14	-0.18							1.0
KOOLEBZ	13139	298	IP			1344	18.85	-0.24							1.0
SKOMABZ	13234	294	IP			1344	21.58	0.90							1.0

**July 25 2020 Hour: 11:42 24.1 Lat: 23.83S Lon: 27.51E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	176	287	IP			1142	51.19	-0.32							1.0
LPHEPBN	176	287	IS			1143	11.92	0.09							1.0
LPHEPBE	176	287	IAML			1143	18.28			21	0.8				
KDWANBZ	295	279	IP			1143	5.82	-0.46							1.0
KDWANBE	295	279	IAML			1143	57.63			22	0.5				
KHWEEBZ	297	314	IP			1143	7.39	0.86							1.0
KHWEEBE	297	314	IAML			1143	51.83			92	0.4				
BROLNBZ	303	356	IP			1143	7.68	0.48							1.0
BROLNBE	303	356	IAML			1143	45.39			10	0.5				
SKOMABZ	372	257	IP			1143	16.07	0.30							1.0
SKOMABE	372	257	IAML			1144	34.75			28	0.4				
SOOWABZ	385	339	IP			1143	16.52	-0.95							1.0

**July 25 2020 Hour: 12:56 30.1 Lat: 25.79S Lon: 29.77E D: 50.0 Ag: BGS Local**  
**Magnitudes: 3.0ML BGS Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	478	303	IP			1257	31.61	0.06							1.0
LPHEPBE	478	303	IS			1258	17.75	0.72							1.0
LPHEPBE	478	303	IAML			1258	34.05			19	0.5				
MAKGRBZ	498	269	IP			1257	33.19	-0.76							1.0
MAKGRBN	498	269	IS			1258	19.84	-1.36							1.0
MAKGRBN	498	269	IAML			1258	26.78			216	0.6				
BROLNBZ	576	334	IP			1257	43.19	-0.16							1.0
BROLNBN	576	334	IS			1258	37.40	-0.17							1.0
BROLNBE	576	334	IAML			1259	14.07			17	0.4				
KDWANBZ	582	296	IP			1257	45.10	1.00							1.0
KDWANBE	582	296	IAML			1259	4.79			37	0.5				
SKOMABZ	605	282	IP			1257	47.14	0.28							1.0
SKOMABN	605	282	IAML			1259	5.73			27	0.4				
SOOWABZ	683	327	IP			1257	54.52	-1.56							1.0
SOOWABE	683	327	IS			1258	59.96	0.25							1.0
SOOWABE	683	327	IAML			1259	42.14			48	0.9				
PHPENBZ	695	271	IP			1257	59.13	1.69							1.0
PHPENBN	695	271	IAML			1259	28.12			104	0.4				

**July 25 2020 Hour: 19:43 26.9 Lat: 9.31S Lon: 28.80E D: 15.0 Ag: BGS Local**  
**Magnitudes: 4.6ML BGS Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBC	1018	202	IP			1945	33.79	-0.67							1.0
KSANEBE	1018	202	IS			1947	8.85	0.02							1.0
KSANEBE	1018	202	IAML			1948	23.93			278	0.7				
SOOWABZ	1275	192	IP			1946	5.94	1.21							0.8
SOOWABE	1275	192	IS			1948	1.76	0.27							0.8
SOOWABE	1275	192	IAML			1949	41.69			435	0.5				
XAUDMBZ	1300	217	IP			1946	7.91	0.24							0.8
XAUDMBN	1300	217	IS			1948	6.87	0.26							0.8
XAUDMBN	1300	217	IAML			1950	1.05			511	0.6				
BROLNBZ	1314	187	IP			1946	8.92	-0.34							0.8
BROLNBN	1314	187	IS			1948	8.70	-0.67							0.8





XAUDMBZ	1357	283	IP		343	40.63	1.37										0.8
XAUDMBE	1357	283	IS		345	41.36	-1.76										0.8
XAUDMBN	1357	283	IAML		347	17.03		651	0.5								
KOOLEBZ	1418	261	IP		343	46.15	-0.38										0.7
KOOLEBE	1418	261	IS		345	57.66	1.89										0.7
KOOLEBE	1418	261	IAML		347	42.92		433	1.0								

**July 26 2020 Hour: 3:59 14.2 Lat: 61.10S Lon: 26.05W D: 5.2 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHPENBZ	5386	65	IP			4	7	58.43	0.53						1.0
MAKGRBZ	5449	68	IP			4	8	2.16	-0.19						1.0
KOOLEBZ	5499	61	IP			4	8	5.36	-0.41						1.0
SKOMABZ	5531	66	IP			4	8	8.03	0.08						1.0
GRTLGBZ	5707	61	IP			4	8	19.94	-0.03						1.0
LPHEPBZ	5738	67	IP			4	8	21.90	-0.12						1.0
KHWEEBZ	5854	66	IP			4	8	29.55	-0.30						1.0
QNGWABZ	5886	60	IP			4	8	32.21	0.28						1.0
BROLNBZ	6030	67	IP			4	8	41.64	0.16						1.0

**July 26 2020 Hour: 11:54 46.2 Lat: 22.54S Lon: 25.36E D: 8.2 Ag: BGS Local**  
**Magnitudes: 1.7ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		66	8	IP		1154	57.13	0.14							1.0
LPHEPBZ	105	151	IP			1155	3.15	0.19							1.0
LPHEPBE	105	151	IAML			1155	35.57		23	0.5					
SOOWABZ	236	22	IP			1155	20.43	0.20							1.0
BROLNBZ	259	52	IP			1155	22.20	-0.88							1.0
BROLNBE	259	52	IS			1155	50.75	0.35							1.0
BROLNBE	259	52	IAML			1156	5.96		9	0.4					

**July 26 2020 Hour: 19:23 59.2 Lat: 21.53S Lon: 33.33E D: 8.3 Ag: BGS Local**  
**Magnitudes: 3.8ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	624	273	IP			1925	20.03	-0.78							1.0
BROLNBE	624	273	IS			1926	20.42	-0.77							1.0
BROLNBE	624	273	IAML			1927	7.47		69	0.5					
SOOWABZ	747	277	IP			1925	35.82	0.28							1.0
SOOWABN	747	277	IS			1926	46.98	0.16							1.0
SOOWABN	747	277	IAML			1927	33.93		462	0.6					
LPHEPBZ	795	254	IP			1925	42.34	1.12							1.0
LPHEPBE	795	254	IS			1926	56.57	-0.14							1.0
LPHEPBE	795	254	IAML			1927	48.81		55	0.5					
KHWEEBZ	817	265	IP			1925	43.70	-0.07							1.0
KDWANBZ	916	255	IP			1925	55.27	-0.09							1.0
KSANEBZ	951	294	IP			1925	59.71	0.19							1.0
KSANEBE	951	294	IS			1927	28.06	-0.49							1.0
KSANEBE	951	294	IAML			1928	28.43		58	0.4					
MAKGRBZ	991	240	IP			1926	3.96	-0.25							1.0
MAKGRBN	991	240	IS			1927	35.90	-0.81							1.0
MAKGRBE	991	240	IAML			1928	47.90		128	0.5					
SKOMABZ	1018	249	IP			1926	7.00	-0.44							1.0
SKOMABN	1018	249	IS			1927	43.38	1.05							1.0
SKOMABE	1018	249	IAML			1928	57.14		20	0.7					
PHPENBZ	1155	246	IP			1926	23.69	0.14							1.0
PHPENBN	1155	246	IS			1928	10.18	-0.18							1.0
PHPENBE	1155	246	IAML			1929	41.45		103	0.6					
GRTLGBZ	1256	269	IP			1926	36.60	1.19							0.9
GRTLGBE	1256	269	IS			1928	31.60	0.60							0.9
GRTLGBE	1256	269	IAML			1930	17.41		22	0.7					
QNGWABZ	1287	278	IP			1926	38.44	-0.61							0.8
QNGWABE	1287	278	IS			1928	36.93	-0.40							0.8
QNGWABN	1287	278	IAML			1930	4.50		20	0.6					
XAUDMBZ	1297	283	IP			1926	41.54	1.26							0.8

XAUDMBE	1297	283	IS	1928	39.79	0.31												0.8
XAUDMBE	1297	283	IAML	1930	18.08				139	0.5								
KOOLEBZ	1363	261	IP	1926	46.17	-1.89												0.8
KOOLEBN	1363	261	IS	1928	53.80	0.79												0.8
KOOLEBE	1363	261	IAML	1931	0.02				37	0.7								

**July 26 2020 Hour: 20:31 49.8 Lat: 21.69S Lon: 34.07E D: 80.8 Ag: BGS Regional**  
**Magnitudes: 4.2ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	701	274	IP			2033	16.00	-1.06							1.0
BROLNBN	701	274	IS			2034	20.73	-0.87							1.0
BROLNBN	701	274	IAML			2034	57.48		258	0.5					
SOOWABZ	825	277	IP			2033	32.30	0.71							1.0
SOOWABN	825	277	IS			2034	46.36	-0.53							1.0
SOOWABE	825	277	IAML			2035	32.48		407	0.6					
LPHEPBZ	864	256	IP			2033	36.51	0.26							1.0
LPHEPBE	864	256	IS			2034	55.12	0.12							1.0
LPHEPBN	864	256	IAML			2035	57.15		135	0.8					
KHWEEBZ	892	267	IP			2033	39.82	0.35							1.0
KHWEEBE	892	267	IS			2035	2.20	1.60							1.0
KHWEEBE	892	267	IAML			2035	44.73		408	0.5					
KDWANBZ	985	257	IP			2033	50.49	-0.01							1.0
KDWANBN	985	257	IS			2035	20.62	0.84							1.0
KDWANBE	985	257	IAML			2036	23.29		230	0.6					
KSANEZBZ	1027	293	IP			2033	55.24	-0.21							1.0
KSANEZBE	1027	293	IS			2035	28.21	-0.20							1.0
KSANEZBN	1027	293	IAML			2036	21.76		89	0.8					
MAKGRBZ	1049	242	IP			2033	58.68	0.71							1.0
MAKGRBE	1049	242	IS			2035	32.89	0.10							1.0
MAKGRBE	1049	242	IAML			2036	41.67		191	0.5					
SKOMABZ	1084	251	IP			2034	2.21	0.11							1.0
SKOMABE	1084	251	IS			2035	38.88	-1.08							1.0
SKOMABN	1084	251	IAML			2036	50.19		59	0.6					
PHPENBZ	1218	248	IP			2034	16.67	-1.21							0.9
PHPENBN	1218	248	IS			2036	6.91	-0.52							0.9
PHPENBE	1218	248	IAML			2037	27.16		169	0.6					
GMAREBZ	1267	279	IP			2034	24.79	1.18							0.8
GMAREBN	1267	279	IS			2036	18.41	1.01							0.8
GMAREBN	1267	279	IAML			2037	48.05		219	1.0					
GRTLGBZ	1331	269	IP			2034	30.47	-0.77							0.8
GRTLGBN	1331	269	IS			2036	30.16	-0.52							0.8
GRTLGBN	1331	269	IAML			2037	48.78		73	0.9					
QNGWABZ	1364	278	IP			2034	34.13	-0.98							0.8
QNGWABN	1364	278	IAML			2038	6.82		45	0.7					
KOOLEBZ	1436	262	IP			2034	44.44	0.93							0.7
KOOLEBN	1436	262	IS			2036	51.81	-0.21							0.7
KOOLEBN	1436	262	IAML			2038	28.53		62	0.9					

**July 26 2020 Hour: 21:37 20.2 Lat: 21.27S Lon: 33.87E D: 15.0 Ag: BGS Local**  
**Magnitudes: 3.5ML BGS Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	679	270	IP			2138	47.36	-0.50							1.0
BROLNBN	679	270	IS			2139	52.48	-0.23							1.0
BROLNBN	679	270	IAML			2140	25.80		46	0.5					
SOOWABZ	800	274	IP			2139	3.51	1.40							1.0
LPHEPBZ	857	253	IP			2139	9.03	0.19							1.0
KHWEEBZ	876	264	IP			2139	11.34	0.34							1.0
KHWEEBN	876	264	IAML			2141	23.20		147	0.5					
KDWANBZ	977	254	IP			2139	24.07	1.13							1.0
KDWANBE	977	254	IAML			2141	46.01		30	0.7					
KSANEZBZ	992	291	IP			2139	23.62	-1.01							1.0
MAKGRBZ	1054	240	IP			2139	30.62	-1.32							1.0
MAKGRBN	1054	240	IP			2139	32.56								
MAKGRBE	1054	240	IAML			2142	6.01		28	0.6					



**July 26 2020 Hour: 21:36 45.5 Lat: 83.23N Lon: 161.01E D: 0.5 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12776	313	IP			2155	28.05	-0.61							1.0
BROLNBZ	12824	312	IP			2155	28.81	-0.70							1.0
GRTLGBZ	12910	318	IP			2155	30.58	-0.44							1.0
KHWEEBZ	12935	313	IP			2155	31.65	0.21							1.0
LPHEPBZ	13087	313	IP			2155	34.21	0.17							1.0
KOOLEBZ	13099	319	IP			2155	34.04	-0.25							1.0
KDWANBZ	13101	314	IP			2155	34.87	0.59							1.0
SKOMABZ	13232	315	IP			2155	36.48	-0.06							1.0
PHPENBZ	13348	316	IP			2155	39.09	0.55							1.0
MAKGRBZ	13367	314	IP			2155	39.40	0.52							1.0

**July 27 2020 Hour: 19:35 28.6 Lat: 82.08N Lon: 156.70E D: 0.0 Ag: BGS Distant**  
**Rms: 0.4 secs**

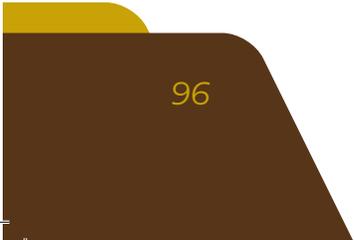
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	12857	307	IP			1954	12.21	-0.96							1.0
GRTLGBZ	12958	313	IP			1954	14.59	-0.35							1.0
KHWEEBZ	12973	308	IP			1954	15.19	0.01							1.0
LPHEPBZ	13124	308	IP			1954	17.90	0.14							1.0
KDWANBZ	13140	309	IP			1954	18.47	0.42							1.0
KOOLEBZ	13149	314	IP			1954	18.06	-0.19							1.0
SKOMABZ	13273	310	IP			1954	20.45	0.12							1.0
PHPENBZ	13391	311	IP			1954	22.60	0.23							1.0
MAKGRBZ	13405	309	IP			1954	23.17	0.54							1.0

**July 27 2020 Hour: 23:37 17.0 Lat: 8.31S Lon: 69.05E D: 15.0 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	4694	248	IP			2345	9.85	0.62							1.0
SOOWABZ	4797	249	IP			2345	16.76	0.01							1.0
KSANEBZ	4863	253	IP			2345	21.69	0.16							1.0
LPHEPBZ	4895	245	IP			2345	23.13	-0.68							1.0
KHWEEBZ	4904	247	IP			2345	24.19	-0.30							1.0
KDWANBZ	5015	245	IP			2345	31.63	-0.81							1.0
MAKGRBZ	5063	242	IP			2345	36.44	0.59							1.0
SKOMABZ	5114	244	IP			2345	39.88	0.39							1.0
PHPENBZ	5244	243	IP			2345	48.62	0.00							1.0
XAUDMBZ	5274	253	IP			2345	50.74	-0.04							1.0
QNGWABZ	5303	251	IP			2345	52.86	0.05							1.0
KOOLEBZ	5457	247	IP			2346	3.48	0.00							1.0

**July 28 2020 Hour: 8: 4 37.4 Lat: 82.30N Lon: 143.12E D: 0.4 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12623	294	IP			823	17.08	-0.84							1.0
BROLNBZ	12667	293	IP			823	17.78	-0.90							1.0
GRTLGBZ	12778	299	IP			823	19.84	-0.79							1.0
KHWEEBZ	12785	295	IP			823	20.62	-0.12							1.0
LPHEPBZ	12935	294	IP			823	24.12	0.82							1.0
KDWANBZ	12953	295	IP			823	24.11	0.49							1.0
KOOLEBZ	12970	300	IP			823	24.12	0.16							1.0
SKOMABZ	13087	296	IP			823	26.24	0.32							1.0
PHPENBZ	13206	297	IP			823	28.11	0.12							1.0
MAKGRBZ	13217	295	IP			823	28.89	0.69							1.0



**July 28 2020 Hour: 12:43 41.8 Lat: 83.11N Lon: 106.89W D: 0.0 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QNGWABZ	12602	54	IP			13	2	21.61	-0.42						1.0
SOOWABZ	12769	49	IP			13	2	24.52	-0.35						1.0
BROLNBZ	12839	48	IP			13	2	26.04	-0.06						1.0
KHWEEBZ	12913	50	IP			13	2	26.98	-0.41						1.0
KDWANBZ	13062	51	IP			13	2	30.34	0.38						1.0
LPHEPBZ	13073	50	IP			13	2	30.47	0.34						1.0
SKOMABZ	13179	52	IP			13	2	32.49	0.53						1.0

**July 28 2020 Hour: 14:50 31.0 Lat: 25.56S Lon: 29.10E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.8ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	409	306	IP			1451	26.44	-0.89							1.0
LPHEPBN	409	306	IS			1452	9.67	0.66							1.0
LPHEPBN	409	306	IAML			1452	33.51			15	0.4				1.0
MAKGRBZ	433	265	IP			1451	31.10	0.80							1.0
MAKGRBN	433	265	IAML			1452	26.68			173	0.4				1.0
KDWANBZ	511	297	IP			1451	39.86	0.11							1.0
KDWANBE	511	297	IAML			1453	4.08			26	0.6				1.0
BROLNBZ	526	340	IP			1451	40.60	-0.98							1.0
BROLNBE	526	340	IS			1452	34.42	0.62							1.0
BROLNBE	526	340	IAML			1453	8.82			20	0.6				1.0
SKOMABZ	534	281	IP			1451	43.44	0.84							1.0
SKOMABN	534	281	IS			1452	34.42	-1.15							1.0
SKOMABN	534	281	IAML			1453	8.79			28	0.4				1.0
LKGWBBN	813	280	IAML			1454	8.24			30	0.8				1.0

**July 29 2020 Hour: 9:13 7.2 Lat: 81.27N Lon: 151.40E D: 2.9 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12794	302	IP			931	49.42	-0.80							1.0
BROLNBZ	12837	301	IP			931	50.14	-0.83							1.0
GRTLGBZ	12951	307	IP			931	52.41	-0.56							1.0
KHWEEBZ	12956	303	IP			931	53.28	0.24							1.0
LPHEPBZ	13105	302	IP			931	56.36	0.76							1.0
KDWANBZ	13124	303	IP			931	56.72	0.79							1.0
KOOLEBZ	13144	308	IP			931	56.36	0.05							1.0
SKOMABZ	13259	304	IP			931	58.57	0.33							1.0

**July 29 2020 Hour: 13:10 5.6 Lat: 79.70N Lon: 136.60E D: 5.4 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12617	286	IP			1328	44.59	-0.55							1.0
BROLNBZ	12654	285	IP			1328	44.89	-0.90							1.0
GRTLGBZ	12799	291	IP			1328	47.62	-0.69							1.0
LPHEPBZ	12928	286	IP			1328	51.25	0.74							1.0
KDWANBZ	12953	287	IP			1328	51.25	0.31							1.0
KOOLEBZ	12995	292	IP			1328	51.98	0.27							1.0
SKOMABZ	13090	288	IP			1328	53.60	0.30							1.0
MAKGRBZ	13214	287	IP			1328	55.95	0.48							1.0

**July 29 2020 Hour: 22:11 25.8 Lat: 21.40S Lon: 33.91E D: 9.7 Ag: BGS Local**  
**Magnitudes: 3.4ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	684	272	IP			2212	54.57	0.15							1.0
BROLNBE	684	272	IS			2213	59.27	-0.76							1.0
BROLNBE	684	272	IAML			2214	31.94			24	0.5				1.0
SOOWABZ	805	275	IP			2213	8.50	-0.29							1.0
SOOWABE	805	275	IS			2214	24.68	-0.36							1.0
SOOWABE	805	275	IAML			2215	13.65			141	0.5				1.0
LPHEPBZ	857	254	IP			2213	15.24	0.36							1.0



KDWANBE	611	334	IS	337	19.88	-0.67													1.0
KDWANBN	611	334	IAML	337	52.07				117	0.3									1.0
KHWEEBZ	735	345	IP	336	36.47	-0.74													1.0
KHWEEBE	735	345	IS	337	45.19	-0.24													1.0
KHWEEBE	735	345	IAML	338	32.06				193	0.3									1.0
BROLNBZ	806	1	IP	336	45.22	-0.23													1.0
BROLNBE	806	1	IS	338	0.18	0.39													1.0
BROLNBN	806	1	IAML	338	43.17				10	0.4									1.0
SOOWABZ	871	353	IP	336	53.46	0.39													1.0
SOOWABE	871	353	IS	338	13.57	0.53													1.0
SOOWABE	871	353	IAML	339	4.76				106	0.6									1.0
GRTLGBZ	987	321	IP	337	5.29	-1.25													1.0
GRTLGBN	987	321	IS	338	36.62	0.14													1.0
GRTLGBE	987	321	IAML	339	38.04				18	0.3									1.0

**August 1 2020 Hour: 12:33 26.3 Lat: 26.73S Lon: 30.14E D:285.2 Ag: BGS Local**  
**Magnitudes: 3.1ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	543	280	IP	1234		41.09	0.22								1.0
MAKGRBN	543	280	IS	1235		35.39	-0.68								1.0
MAKGRBN	543	280	IAML	1235		42.64			149	0.6					1.0
LPHEPBZ	571	310	IP	1234		44.66	0.85								1.0
LPHEPBE	571	310	IS	1235		41.77	0.58								1.0
LPHEPBE	571	310	IAML	1235		48.12			29	0.5					1.0
KDWANBZ	666	303	IP	1234		53.16	-0.97								1.0
KDWANBN	666	303	IP	1234		54.20									1.0
KDWANBN	666	303	IS	1235		58.54	-0.61								1.0
KDWANBE	666	303	IAML	1236		12.36			29	0.7					1.0
SKOMABZ	670	290	IP	1234		54.30	-0.28								1.0
SKOMABN	670	290	IS	1236		0.58	0.66								1.0
SKOMABN	670	290	IAML	1236		21.05			28	0.3					1.0
BROLNBZ	686	335	IP	1234		56.01	-0.33								1.0
PHPENBZ	742	279	IP	1235		3.07	0.56								1.0

**August 1 2020 Hour: 17:10 12.3 Lat: 2.41N Lon: 113.82E D:700.0 Ag: BGS Distant**  
**Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	9749	249	IP	1721		48.84	-0.60								1.0
LPHEPBZ	9916	247	IP	1721		55.88	-0.47								1.0
MAKGRBZ10036	244	IP	1722		2.26	0.90									1.0
KDWANBZ10038	247	IP	1722		0.85	-0.58									1.0
QNGWABZ10385	251	IP	1722		16.27	0.61									1.0
GRTLGBZ10385	249	IP	1722		14.78	-0.91									1.0
SOOWABZ	9862	249	IP	1721		54.35									1.0

**August 1 2020 Hour: 22: 3 51.1 Lat: 8.48S Lon: 28.29E D: 78.6 Ag: BGS Local**  
**Magnitudes: 4.1ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	1085	198	IP	22	6	3.33	-0.24								1.0
XAUDMBZ	1343	213	IP	22	6	34.03	0.14								0.8
XAUDMBN	1343	213	IS	22	8	34.22	-0.09								0.8
XAUDMBN	1343	213	IAML	2210		22.19			140	0.5					0.8
SOOWABZ	1355	189	IP	22	6	35.16	-0.18								0.8
SOOWABE	1355	189	IS	22	8	37.38	0.53								0.8
SOOWABE	1355	189	IAML	2210		17.86			84	0.5					0.7
BROLNBZ	1400	184	IP	22	6	40.10	-0.52								0.7
QNGWABZ	1443	211	IP	22	6	46.42	0.70								0.7
QNGWABE	1443	211	IS	22	8	54.38	-0.52								0.7
QNGWABN	1443	211	IAML	2210		31.21			13	0.9					0.6
KHWEEBZ	1521	191	IP	22	6	54.91	0.07								0.5
GRTLGBZ	1615	207	IP	22	7	6.17	0.25								0.5
KDWANBZ	1694	193	IP	22	7	15.37	0.19								0.5
KDWANBN	1694	193	IS	22	9	46.11	-0.05								0.5
KDWANBE	1694	193	IAML	2211		54.33			13	0.8					0.5



KOOLEBZ 1824 207 IP 22 7 31.12 0.59 0.3  
 KOOLEBE 1824 207 IS 2210 12.84-0.03 0.3  
 KOOLEBN 1824 207 IAML 2212 42.25 18 0.8

**August 1 2020 Hour: 23:33 20.9 Lat: 22.05S Lon: 32.10E D: 0.0 Ag: BGS Regional**  
**Magnitudes: 2.8ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		505	281	IP		2334	28.35	-0.61							1.0
BROLNBN		505	281	IS		2335	18.35	-0.95							1.0
BROLNBN		505	281	IAML		2335	51.25		27	0.6					
SOOWABZ		632	284	IP		2334	43.78	-0.62							1.0
SOOWABN		632	284	IS		2335	45.51	-0.65							1.0
SOOWABN		632	284	IAML		2336	30.33		61	0.5					
LPHEPBZ		657	256	IP		2334	47.83	0.38							1.0
LPHEPBN		657	256	IS		2335	51.75	0.27							1.0
LPHEPBN		657	256	IAML		2336	35.39		10	0.5					
KHWEEBZ		687	270	IP		2334	51.67	0.60							1.0
KHWEEBE		687	270	IS		2335	57.50	-0.27							1.0
KHWEEBN		687	270	IAML		2336	45.03		58	0.4					
KDWANBZ		778	258	IP		2335	2.20	0.34							1.0
KDWANBN		778	258	IS		2336	17.29	0.75							1.0
KDWANBN		778	258	IAML		2337	9.59		11	0.7					
MAKGRBZ		852	239	IP		2335	9.93	-0.57							1.0
MAKGRBN		852	239	IS		2336	31.10	-0.48							1.0
MAKGRBN		852	239	IAML		2337	38.04		25	0.5					
KSANEBZ		865	302	IP		2335	12.88	0.78							1.0
KSANEBN		865	302	IS		2336	34.34	-0.03							1.0
KSANEBN		865	302	IAML		2337	30.94		13	0.6					
SKOMABZ		879	250	IP		2335	13.58	-0.11							1.0
SKOMABN		879	250	IS		2336	37.36	0.24							1.0
SKOMABE		879	250	IAML		2338	5.65		3	0.6					
GRTLGBZ		1129	272	IP		2335	42.82	-0.28							1.0
GRTLGBN		1129	272	IS		2337	28.10	-0.20							1.0
GRTLGBN		1129	272	IAML		2338	42.97		6	0.8					
QNGWABZ		1171	282	IP		2335	48.22	0.15							0.9
QNGWABN		1171	282	IS		2337	38.39	1.43							0.9
QNGWABN		1171	282	IAML		2339	0.25		4	0.8					

**August 2 2020 Hour: 11:28 34.7 Lat: 18.26S Lon: 26.65E D: 31.0 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		165	288	IP		1128	56.88	-1.13							1.0
KSANEBE		165	288	IS		1129	15.39	0.09							1.0
KSANEBN		165	288	IAML		1129	19.28		112	0.3					
SOOWABZ		258	190	IP		1129	8.64	-0.93							1.0
SOOWABE		258	190	IS		1129	35.20	-0.21							1.0
SOOWABN		258	190	IAML		1129	45.05		119	0.6					
BROLNBZ		322	167	IP		1129	18.40	0.90							1.0
BROLNBE		322	167	IS		1129	48.73	-0.47							1.0
BROLNBN		322	167	IAML		1129	57.98		13	0.5					
BROLNBE		322	167	IAML		1130	1.26		16	0.5					
KHWEEBZ		426	197	IP		1129	31.06	0.71							1.0
KHWEEBE		426	197	IAML		1130	28.44		105	0.4					
QNGWABZ		593	255	IP		1129	51.61	1.04							1.0

**August 3 2020 Hour: 5:13 44.0 Lat: 26.44S Lon: 27.81E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		308	282	IP		514	28.32	0.45							1.0
MAKGRBN		308	282	IS		515	0.27	-0.06							1.0
MAKGRBN		308	282	IAML		515	11.01		94	0.6					
LPHEPBZ		393	330	IP		514	38.24	-0.14							1.0
LPHEPBE		393	330	IAML		515	35.64		10	0.3					
SKOMABZ		444	298	IP		514	44.87	0.24							1.0



SKOMABN	444	298	IAML	515	46.67				9	0.4					
KDWANBZ	464	316	IP	514	46.36	-0.76									1.0
KDWANBN	464	316	IAML	515	50.96				14	0.3					
BROLNBZ	593	355	IP	515	2.70	-0.02									1.0
BROLNBE	593	355	IS	516	1.27	0.29									1.0
BROLNBE	593	355	IAML	516	29.11				7	0.6					

**August 4 2020 Hour: 11:44 14.0 Lat: 5.72S Lon: 22.45E D: 15.0 Ag: BGS Local**  
**Magnitudes: 4.9ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	1368	168	IP			1147	1.90	-0.78							1.0
KSANEBN	1368	168	IS			1149	7.59	0.07							1.0
KSANEBN	1368	168	IAML			1150	43.09		196	0.7					
XAUDMBZ	1423	185	IP			1147	9.43	0.28							0.9
XAUDMBE	1423	185	IS			1149	18.54	-0.24							0.9
XAUDMBE	1423	185	IAML			1151	12.79		515	0.6					
GMAREBZ	1512	181	IP			1147	19.08	-0.57							0.8
QNGWABZ	1534	185	IP			1147	22.32	0.13							0.8
QNGWABN	1534	185	IS			1149	41.35	-0.11							0.8
QNGWABE	1534	185	IAML			1151	43.15		156	0.9					
SOOWABZ	1692	166	IP			1147	41.37	0.64							0.6
SOOWABE	1692	166	IS			1150	14.01	0.29							0.6
SOOWABN	1692	166	IAML			1152	38.83		233	0.7					
GRTLGBZ	1736	184	IP			1147	46.49	0.55							0.6
GRTLGBN	1736	184	IS			1150	23.29	0.51							0.6
GRTLGBN	1736	184	IAML			1152	49.79		87	1.0					
BROLNBZ	1781	163	IP			1147	51.92	0.65							0.5
BROLNBN	1781	163	IS			1150	31.74	-0.32							0.5
BROLNBN	1781	163	IAML			1152	41.10		54	1.1					
KHWEEBZ	1824	170	IP			1147	56.85	0.54							0.5
KHWEEBE	1824	170	IS			1150	41.16	0.33							0.5
KHWEEBE	1824	170	IAML			1153	3.41		198	0.8					
KOOLEBZ	1926	187	IP			1148	9.07	0.66							0.3
KOOLEBE	1926	187	IS			1151	1.73	-0.15							0.3
KOOLEBE	1926	187	IAML			1153	49.99		225	0.9					
KDWANBZ	1968	173	IP			1148	13.79	0.49							0.3
KDWANBE	1968	173	IAML			1153	48.44		108	1.0					
LPHEPBZ	1986	170	IP			1148	16.25	0.87							0.3
LPHEPBE	1986	170	IAML			1153	51.05		39	0.9					
SKOMABZ	2086	176	IP			1148	25.86	-1.25							0.1
SKOMABE	2086	176	IS			1151	33.48	-0.95							0.1
SKOMABE	2086	176	IAML			1154	23.04		40	0.8					
PHPENBZ	2187	179	IP			1148	38.04	-0.94							0.0
MAKGRBN	2237	174	IAML			1155	1.27		33	0.9					

**August 4 2020 Hour: 13: 5 17.0 Lat: 20.79S Lon: 23.65E D:699.6 Ag: BGS Local**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRTLGBZ	261	256	IP			13	6	45.52	-0.86						1.0
SOOWABZ	269	85	IP			13	6	47.08	0.42						1.0
QNGWABZ	294	298	IP			13	6	48.04	0.21						1.0
KDWANBZ	305	160	IP			13	6	48.44	0.12						1.0
LPHEPBZ	365	142	IP			13	6	51.70	0.32						1.0
BROLNBZ	384	96	IP			13	6	52.04	-0.46						1.0
SKOMABZ	413	176	IP			13	6	54.25	0.06						1.0
KOOLEBZ	432	235	IP			13	6	55.93	0.52						1.0
LKGWBBZ	445	214	IP			13	6	56.18	-0.01						1.0
MAKGRBZ	568	168	IP			13	7	4.46	-0.31						1.0



**August 4 2020 Hour: 15:50 30.9 Lat: 25.37S Lon: 28.92E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		382	305	IP		1551	24.50	0.62							1.0
LPHEPBN		382	305	IS		1552	2.25	-0.83							1.0
LPHEPBN		382	305	IAML		1552	34.25			19	0.4				1.0
MAKGRBZ		417	262	IP		1551	28.51	0.25							1.0
BROLNBZ		500	341	IP		1551	37.55	-0.75							1.0
BROLNBE		500	341	IS		1552	28.90	0.72							1.0
BROLNBN		500	341	IAML		1553	0.67			9	0.4				1.0
SKOMABZ		513	280	IP		1551	39.46	-0.42							1.0
SKOMABE		513	280	IS		1552	31.31	0.38							1.0
SKOMABN		513	280	IAML		1553	13.76			25	0.4				1.0
PHPENBZ		610	268	IP		1551	51.75	0.03							1.0

**August 5 2020 Hour: 3:37 35.6 Lat: 26.80S Lon: 27.06E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.1ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		251	295	IP		338	12.80	0.46							1.0
MAKGRBE		251	295	IS		338	38.84	-0.69							1.0
MAKGRBN		251	295	IAML		338	40.88			466	0.6				1.0
LPHEPBZ		400	342	IP		338	30.55	-0.25							1.0
SKOMABZ		404	308	IP		338	31.14	-0.13							1.0
PHPENBZ		445	288	IP		338	35.86	-0.56							1.0
PHPENBN		445	288	IS		339	22.10	0.66							1.0
PHPENBE		445	288	IAML		339	40.03			108	0.4				1.0
KDWANBZ		450	327	IP		338	37.39	0.43							1.0
KDWANBE		450	327	IS		339	22.44	0.07							1.0
KDWANBE		450	327	IAML		339	43.50			31	0.3				1.0

**August 5 2020 Hour: 12: 4 21.3 Lat: 7.54N Lon: 170.77W D: 4.4 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ17425		217	IP			1224	16.03	-0.88							1.0
LPHEPBZ17541		224	IP			1224	18.56	0.34							1.0
BROLNBZ17578		231	IP			1224	18.11	-0.53							1.0
SKOMABZ17591		218	IP			1224	18.67	-0.10							1.0
KDWANBZ17630		222	IP			1224	19.69	0.48							1.0
SOOWABZ17707		230	IP			1224	20.70	0.67							1.0
KOOLEBZ17963		213	IP			1224	22.75	0.07							1.0
GRTLGBZ18037		219	IP			1224	24.23	0.87							1.0
QNGWABZ18186		223	IP			1224	24.65	-0.04							1.0
XAUDMBZ18248		226	IP			1224	24.31	-0.90							1.0

**August 5 2020 Hour: 16:18 36.9 Lat: 81.24N Lon: 159.42E D: 0.1 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ12950		309	IP			1637	22.29	-0.78							1.0
KHWEEBZ13067		311	IP			1637	24.40	-0.70							1.0
LPHEPBZ13217		310	IP			1637	28.44	0.76							1.0
KDWANBZ13235		312	IP			1637	28.42	0.44							1.0
KOOLEBZ13247		316	IP			1637	27.71	-0.53							1.0
SKOMABZ13368		312	IP			1637	30.38	0.11							1.0
PHPENBZ13487		313	IP			1637	33.00	0.68							1.0
MAKGRBZ13499		311	IP			1637	32.57	0.01							1.0

**August 6 2020 Hour: 12: 0 10.6 Lat: 23.86S Lon: 27.60E D: 0.7 Ag: BGS Local**  
**Magnitudes: 2.1ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		186	287	IP		12	0	39.69	0.52						1.0
LPHEPBN		186	287	IS		12	0	59.77	-0.58						1.0
LPHEPBN		186	287	IAML		12	1	5.45		39	0.4				1.0
KDWANBZ		305	279	IP		12	0	54.27	0.35						1.0



KDWANBE	305	279	IAML	12	1	45.76				33	0.7		
KHWEEBZ	306	313	IP	12	0	54.27	0.17						1.0
BROLNBZ	307	355	IP	12	0	53.12	-1.04						1.0
BROLNBE	307	355	IS	12	1	27.01	0.58						1.0
BROLNBE	307	355	IAML	12	1	34.18				8	0.5		

**August 6 2020 Hour: 13:57 8.9 Lat: 21.18S Lon: 25.21E D: 0.1 Ag: BGS Local**  
**Magnitudes: 1.9ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		89	164	IP		1357	23.14	-0.04							1.0
SOOWABZ		125	57	IP		1357	29.24	0.21							1.0
SOOWABE		125	57	IS		1357	43.60	-0.33							1.0
BROLNBZ		221	88	IP		1357	42.17	0.34							1.0
BROLNBE		221	88	IS		1358	6.12	-0.08							1.0
BROLNBN		221	88	IAML		1358	10.29			17	0.7				
KDWANBZ		250	193	IP		1357	45.02	-0.53							1.0
KDWANBN		250	193	IS		1358	12.66	-0.01							1.0
KDWANBN		250	193	IAML		1358	17.36			19	0.4				
LPHEPBZ		251	165	IP		1357	46.19	0.57							1.0
LPHEPBE		251	165	IS		1358	12.66	-0.13							1.0
LPHEPBE		251	165	IAML		1358	16.58			10	0.9				

**August 6 2020 Hour: 23:38 27.2 Lat: 36.78S Lon: 36.42E D:555.8 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		1640	315	IP		2341	34.33	0.03							1.0
PHPENBZ		1797	310	IP		2341	48.65	0.51							1.0
LPHEPBZ		1799	323	IP		2341	47.35	-0.98							1.0
SKOMABZ		1807	315	IP		2341	48.65	-0.35							1.0
KDWANBZ		1864	320	IP		2341	54.48	0.75							1.0
BROLNBZ		1947	331	IP		2342	0.03	-0.54							1.0
KHWEEBZ		1955	324	IP		2342	1.68	0.47							1.0
LKGWBBZ		2020	310	IP		2342	5.84	-0.70							1.0
SOOWABZ		2051	328	IP		2342	9.62	0.52							1.0
KOOLEBZ		2182	310	IP		2342	20.22	0.40							1.0
GRTLGBZ		2253	315	IP		2342	25.12	-0.55							1.0
KSANEZBZ		2374	329	IP		2342	35.54	0.09							1.0
QNGWABZ		2420	318	IP		2342	39.45	0.31							1.0

**August 7 2020 Hour: 15:0 46.4 Lat: 24.89S Lon: 26.96E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		202	326	IP		15	1	16.50	-0.64						1.0
LPHEPBN		202	326	IS		15	1	40.24	0.38						1.0
LPHEPBN		202	326	IAML		15	1	44.73			17	0.5			
MAKGRBZ		240	244	IP		15	1	21.43	-0.44						1.0
MAKGRBN		240	244	IS		15	1	48.35	0.27						1.0
MAKGRBN		240	244	IAML		15	1	53.51			103	0.5			
SKOMABZ		309	277	IP		15	1	31.46	1.07						1.0
SKOMABE		309	277	IS		15	2	2.28	-0.63						1.0
SKOMABN		309	277	IAML		15	2	14.32			18	0.6			

**August 7 2020 Hour: 16:24 6.2 Lat: 27.93S Lon: 27.05E D:262.3 Ag: BGS Local**  
**Magnitudes: 2.8ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		324	316	IP		1624	57.94	0.69							1.0
MAKGRBN		324	316	IS		1625	34.52	-0.48							1.0
MAKGRBN		324	316	IAML		1625	37.79				119	0.5			
SKOMABZ		489	320	IP		1625	15.01	1.09							1.0
SKOMABN		489	320	IS		1626	4.42	0.41							1.0
SKOMABN		489	320	IAML		1626	21.34				14	0.3			
PHPENBZ		497	302	IP		1625	14.03	-0.75							1.0
KDWANBZ		558	334	IP		1625	20.28	-0.95							1.0
KDWANBN		558	334	IAML		1626	24.50				21	0.8			



**August 8 2020 Hour: 11:39 17.8 Lat: 24.21S Lon: 27.68E D: 55.9 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		208	296	IP		1139	46.66	0.16							1.0
LPHEPBN		208	296	IS		1140	7.77	0.02							1.0
LPHEPBN		208	296	IAML		1140	12.22			49	0.5				
KDWANBZ		321	286	IP		1139	59.62	-0.59							1.0
BROLNBZ		346	354	IP		1140	3.94	0.68							1.0
BROLNBE		346	354	IS		1140	35.76	-1.15							1.0
BROLNBN		346	354	IAML		1140	40.44			7	0.6				
SOOWABZ		431	339	IP		1140	13.57	0.05							1.0
SOOWABE		431	339	IS		1140	55.57	0.82							1.0
SOOWABN		431	339	IAML		1141	8.24			31	0.4				

**August 8 2020 Hour: 12:53 56.1 Lat: 85.40N Lon: 175.50E D: 8.8 Ag: BGS Distant**  
**Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QNGWABZ	12600	334	IP			1312	32.91	-1.90							0.9
SOOWABZ	12692	328	IP			1312	36.04	-0.33							1.0
BROLNBZ	12746	327	IP			1312	36.99	-0.33							1.0
GRTLGBZ	12802	333	IP			1312	38.72	0.40							1.0
KHWEEBZ	12848	329	IP			1312	38.90	-0.19							1.0
KOOLEBZ	12986	334	IP			1312	42.04	0.53							1.0
LPHEPBZ	13002	329	IP			1312	42.17	0.42							1.0
KDWANBZ	13010	330	IP			1312	42.46	0.58							1.0
LKGWBBZ	13105	333	IP			1312	43.71	0.16							1.0
SKOMABZ	13138	330	IP			1312	44.36	0.28							1.0

**August 8 2020 Hour: 14:43 47.7 Lat: 82.99N Lon: 159.37E D: 15.0 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12778	311	IP			15 2	27.73	-0.60							1.0
BROLNBZ	12825	310	IP			15 2	28.62	-0.54							1.0
GRTLGBZ	12915	316	IP			15 2	30.73	-0.01							1.0
KHWEEBZ	12938	312	IP			15 2	31.58	0.47							1.0
LPHEPBZ	13089	311	IP			15 2	33.93	0.22							1.0
KDWANBZ	13103	312	IP			15 2	33.93	-0.03							1.0
KOOLEBZ	13104	317	IP			15 2	33.61	-0.41							1.0
SKOMABZ	13235	313	IP			15 2	36.24	0.02							1.0
PHPENBZ	13352	314	IP			15 2	38.63	0.39							1.0
MAKGRBZ	13369	312	IP			15 2	39.03	0.47							1.0

**August 8 2020 Hour: 15:12 45.0 Lat: 24.51S Lon: 24.74E D: 0.0 Ag: BGS Local**  
**Magnitudes: 1.9ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SKOMABZ		82	269	IP		1512	58.11	-0.09							1.0
KDWANBZ		125	356	IP		1513	5.64	0.51							1.0
MAKGRBZ		145	178	IP		1513	7.72	-0.53							1.0
MAKGRBE		145	178	IS		1513	26.06	0.57							1.0
MAKGRBE		145	178	IAML		1513	29.94			63	0.5				
LPHEPBZ		170	42	IP		1513	10.78	-0.86							1.0
LPHEPBE		170	42	IS		1513	31.81	0.41							1.0
LPHEPBN		170	42	IAML		1513	44.10			12	0.4				

**August 9 2020 Hour: 10:34 22.8 Lat: 29.67S Lon: 23.23E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.0ML BGS Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		455	20	IP		1035	24.46	-0.28							1.0
MAKGRBE		455	20	IS		1036	10.59	0.01							1.0
MAKGRBN		455	20	IAML		1036	20.41			75	0.5				
BROLNBZ		1035	24	IP		1036	34.00	0.11							1.0
SOOWABZ		1052	17	IP		1036	36.10	0.15							1.0



KOOLEBN 859 196 IS 914 52.16 0.74 1.0  
 KOOLEBN 859 196 IAML 915 11.72 44 0.7

**August 10 2020 Hour: 22:30 3.4 Lat: 21.73S Lon: 33.12E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.2ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		604	276	IP		2231	23.24	-0.19							1.0
BROLNBN		604	276	IS		2232	23.24	0.59							1.0
BROLNBN		604	276	IAML		2233	3.48		22	0.4					
SOOWABZ		728	279	IP		2231	39.01	0.57							1.0
SOOWABN		728	279	IS		2232	48.03	-0.73							1.0
SOOWABN		728	279	IAML		2233	47.47		60	0.6					
LPHEPBZ		768	255	IP		2231	42.27	-0.87							1.0
KHWEEBZ		793	267	IP		2231	46.00	-0.11							1.0
KHWEEBN		793	267	IS		2233	1.60	-0.52							1.0
KHWEEBE		793	267	IAML		2234	5.71		81	0.3					
KDWANBZ		889	257	IP		2231	56.29	-1.04							1.0
KDWANBN		889	257	IS		2233	22.46	0.83							1.0
KDWANBN		889	257	IAML		2234	28.54		21	0.8					
KSANEZBZ		940	296	IP		2232	4.00	0.61							1.0
MAKGRBZ		960	240	IP		2232	6.64	0.86							1.0

**August 11 2020 Hour: 5:10 3.0 Lat: 15.06S Lon: 43.12E D: 86.6 Ag: BGS Local**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		1798	246	IP		513	39.45	0.18							1.0
BROLNBN		1798	246	IS		516	18.83	-0.49							1.0
BROLNBN		1798	246	IAML		518	13.37		118	0.8					
SOOWABZ		1891	249	IP		513	50.40	0.23							0.8
SOOWABN		1891	249	IS		516	38.94	0.65							0.8
SOOWABN		1891	249	IAML		518	29.09		375	0.8					
KSANEZBZ		1941	259	IP		513	55.67	-0.36							0.6
KHWEEBZ		2014	245	IP		514	3.84	-0.80							0.5
KHWEEBN		2014	245	IS		517	3.57	0.12							0.5
KHWEEBN		2014	245	IAML		519	34.56		343	0.7					
LPHEPBZ		2032	240	IP		514	7.28	0.52							0.4
LPHEPBE		2032	240	IS		517	7.08	-0.07							0.4
LPHEPBN		2032	240	IAML		519	19.11		87	0.9					
KDWANBZ		2145	242	IP		514	20.81	0.68							0.1
MAKGRBZ		2248	235	IP		514	32.50	0.31							0.0
SKOMABZ		2263	239	IP		514	34.58	0.63							0.0
SKOMABE		2263	239	IS		517	54.64	0.18							0.0
SKOMABE		2263	239	IAML		521	5.01		37	1.0					
QNGWABZ		2383	255	IP		514	47.41	-0.66							0.0
PHPENBZ		2406	238	IP		514	51.07	0.31							0.0
GRTLGBZ		2417	250	IP		514	52.54	0.48							0.0

**August 11 2020 Hour: 14:30 58.0 Lat: 23.34S Lon: 21.05E D:490.8 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KDWANBZ		369	91	IP		1432	12.22	0.23							1.0
MAKGRBZ		469	127	IP		1432	20.17	0.48							1.0
LPHEPBZ		492	91	IP		1432	21.41	-0.21							1.0
LPHEPBE		492	91	IS		1433	22.87	-0.62							1.0
LPHEPBN		492	91	IAML		1433	46.08		9	0.8					
BROLNBZ		694	70	IP		1432	39.47	-0.61							1.0
BROLNBE		694	70	IS		1433	56.35	0.73							1.0
BROLNBE		694	70	IAML		1434	20.88		18	0.8					



**August 9 2020 Hour: 11:35 3.7 Lat: 23.86S Lon: 27.55E D: 30.6 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	181	287	IP			1135	28.62	-0.42							1.0
KHWEEBZ	302	314	IP			1135	43.97	-0.11							1.0
KHWEEBN	302	314	IS			1136	13.93	-0.06							1.0
KHWEEBN	302	314	IAML			1136	20.15		78	0.4					
BROLNBZ	306	356	IP			1135	44.50	-0.02							1.0
BROLNBE	306	356	IS			1136	13.96	-0.80							1.0
BROLNBE	306	356	IAML			1136	25.00		7	0.4					
SOOWABZ	390	339	IP			1135	55.68	0.77							1.0
SOOWABE	390	339	IS			1136	33.48	0.64							1.0
SOOWABE	390	339	IAML			1137	0.14		25	0.6					

**August 9 2020 Hour: 14:58 47.4 Lat: 83.86N Lon: 159.29E D: 0.8 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ12713		311	IP			1517	29.07	-0.35							1.0
BROLNBZ12761		310	IP			1517	29.56	-0.72							1.0
GRTLGBZ12844		316	IP			1517	31.23	-0.50							1.0
KHWEEBZ12872		312	IP			1517	32.18	-0.01							1.0
LPHEPBZ13024		311	IP			1517	35.01	0.21							1.0
KOOLEBZ13031		317	IP			1517	34.81	-0.18							1.0
KDWANBZ13036		313	IP			1517	35.04	0.02							1.0
SKOMABZ13168		313	IP			1517	37.75	0.47							1.0
PHPENBZ13283		314	IP			1517	39.63	0.36							1.0
MAKGRBZ13303		312	IP			1517	40.33	0.69							1.0

**August 9 2020 Hour: 16:30 26.1 Lat: 42.07S Lon: 42.74E D: 0.0 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	2439	312	IP			1635	20.52	-0.80							1.0
PHPENBZ	2590	309	IP			1635	36.01	0.24							1.0
LPHEPBZ	2597	318	IP			1635	36.29	-0.18							1.0
SKOMABZ	2606	312	IP			1635	38.05	0.80							1.0
KDWANBZ	2664	315	IP			1635	42.40	0.13							1.0
BROLNBZ	2735	323	IP			1635	47.64	-0.48							1.0
KHWEEBZ	2752	319	IP			1635	50.17	0.64							1.0
SOOWABZ	2843	322	IP			1635	56.88	-0.07							1.0
KOOLEBZ	2974	308	IP			1636	6.78	-0.87							1.0
GRTLGBZ	3052	312	IP			1636	14.53	0.59							1.0

**August 9 2020 Hour: 23:44 54.5 Lat: 42.86S Lon: 16.97E D:700.0 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	2021	23	IP			2348	29.21	0.35							1.0
KOOLEBZ	2222	9	IP			2348	45.02	-0.04							1.0
KDWANBZ	2273	21	IP			2348	48.45	-0.60							1.0
LPHEPBZ	2312	24	IP			2348	52.14	0.02							1.0
GRTLGBZ	2415	11	IP			2349	0.22	-0.17							1.0
KHWEEBZ	2448	21	IP			2349	3.25	0.28							1.0
BROLNBZ	2598	25	IP			2349	14.60	-0.21							1.0
QNGWABZ	2615	10	IP			2349	16.43	0.24							1.0
SOOWABZ	2618	22	IP			2349	16.47	0.11							1.0

**August 10 2020 Hour: 9:11 39.1 Lat: 15.54S Lon: 22.48E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.0ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
XAUDMBZ	354	200	IP			912	29.19	0.56							1.0
QNGWABZ	463	197	IP			912	41.64	-0.47							1.0
QNGWABN	463	197	IS			913	27.99	-0.71							1.0
QNGWABE	463	197	IAML			914	0.41		31	0.6					
KOOLEBZ	859	196	IP			913	29.53	-0.12							1.0



**August 12 2020 Hour: 12:59 14.6 Lat: 20.93S Lon: 31.84E D:584.2 Ag: BGS Local**  
**Magnitudes: 3.5ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ		469	267	IP		13	0	45.51							1.0
BROLNBN		469	267	IS		13	1	50.16							1.0
BROLNBN		469	267	IAML		13	2	27.78		60	0.6				
SOOWABZ		587	273	IP		13	0	53.23							1.0
SOOWABE		587	273	IS		13	2	8.10							1.0
SOOWABE		587	273	IAML		13	3	4.96		117	0.5				
LPHEPBZ		673	245	IP		13	1	1.82							1.0
LPHEPBE		673	245	IS		13	2	20.71							1.0
LPHEPBN		673	245	IAML		13	3	27.09		31	0.7				
KDWANBZ		789	249	IP		13	1	11.51							1.0
KDWANBN		789	249	IS		13	2	39.09							1.0
KDWANBE		789	249	IAML		13	3	53.29		58	0.6				

**August 12 2020 Hour: 13:42 5.3 Lat: 25.95S Lon: 28.84E D: 0.7 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		405	271	IP		1343		0.40							1.0
MAKGRBN		405	271	IS		1343		42.56							1.0
MAKGRBN		405	271	IAML		1343		49.53		47	0.6				
LPHEPBZ		416	313	IP		1343		2.23							1.0
LPHEPBE		416	313	IAML		1343		46.49		14	0.6				
SKOMABZ		519	287	IP		1343		15.70							1.0
BROLNBZ		559	344	IP		1343		20.16							1.0
BROLNBE		559	344	IS		1344		14.80							1.0
PHPENBZ		603	274	IP		1343		25.19							1.0

**August 12 2020 Hour: 17:14 1.6 Lat: 10.05S Lon: 37.64E D:148.8 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		1597	236	IP		1717		17.55							1.0
BROLNBZ		1647	221	IP		1717		23.45							1.0
SOOWABZ		1689	225	IP		1717		28.91							1.0
KHWEEBZ		1852	223	IP		1717		46.96							1.0
LPHEPBZ		1934	219	IP		1717		54.23							1.0
GMAREBZ		1959	236	IP		1717		57.17							1.0
XAUDMBZ		1992	240	IP		1718		0.39							1.0
KDWANBZ		2021	221	IP		1718		2.18							1.0
QNGWABZ		2058	237	IP		1718		6.80							1.0
GRTLGBZ		2157	233	IP		1718		16.03							1.0
SKOMABZ		2162	220	IP		1718		16.55							1.0
MAKGRBZ		2209	216	IP		1718		21.68							1.0
PHPENBZ		2314	221	IP		1718		31.42							1.0
KOOLEBZ		2345	230	IP		1718		33.74							1.0

**August 12 2020 Hour: 22:42 13.9 Lat: 24.00N Lon: 64.50E D:689.4 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		6293	226	IP		2250		55.15							1.0
BROLNBZ		6408	222	IP		2251		1.66							1.0
SOOWABZ		6441	223	IP		2251		3.66							1.0
KHWEEBZ		6608	223	IP		2251		14.01							1.0
LPHEPBZ		6697	221	IP		2251		19.24							1.0
QNGWABZ		6726	228	IP		2251		21.02							1.0
KDWANBZ		6780	222	IP		2251		24.52							1.0
GRTLGBZ		6864	227	IP		2251		29.53							1.0
SKOMABZ		6923	222	IP		2251		31.86							1.0
MAKGRBZ		6972	220	IP		2251		35.53							1.0
KOOLEBZ		7066	226	IP		2251		39.71							1.0



**August 13 2020 Hour: 6:40 56.6 Lat: 84.46N Lon: 176.07E D: 0.0 Ag: BGS Distant**  
**Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
XAUDMBZ	12587	334	IP			659	35.20	-1.33							0.9
QNGWABZ	12697	334	IP			659	37.57	-0.86							1.0
SOOWABZ	12784	329	IP			659	39.48	-0.44							1.0
BROLNBZ	12837	327	IP			659	39.92	-0.93							1.0
GRTLGBZ	12898	334	IP			659	42.82	0.88							1.0
KHWEEBZ	12941	329	IP			659	42.91	0.26							1.0
KOOLEBZ	13083	335	IP			659	45.66	0.52							1.0
LPHEPBZ	13095	329	IP			659	45.66	0.36							1.0
KDWANBZ	13104	330	IP			659	45.93	0.48							1.0
MAKGRBZ	13371	330	IP			659	51.02	0.94							1.0

**August 13 2020 Hour: 10:57 1.7 Lat: 26.14S Lon: 30.25E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.8ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	540	304	IP			1058	13.62	-0.33							1.0
LPHEPBE	540	304	IAML			1059	18.49			13	0.4				
MAKGRBZ	547	273	IP			1058	14.84	0.04							1.0
MAKGRBN	547	273	IS			1059	9.45	0.52							1.0
MAKGRBN	547	273	IAML			1059	17.34			130	0.5				
BROLNBZ	632	331	IP			1058	25.82	0.68							1.0
BROLNBE	632	331	IS			1059	26.75	-0.16							1.0
BROLNBE	632	331	IAML			1059	52.84			16	0.8				
KDWANBZ	643	297	IP			1058	25.57	-0.80							1.0
KHWEEBZ	674	313	IP			1058	29.22	-0.96							1.0
SOOWABZ	742	325	IP			1058	39.34	1.01							1.0

**August 15 2020 Hour: 3:35 25.4 Lat: 70.08N Lon: 121.52E D: 62.3 Ag: BGS Distant**  
**Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRTLGBZ	12587	272	IP			353	55.52	-0.74							1.0
KDWANBZ	12663	268	IP			353	56.62	-0.92							1.0
KOOLEBZ	12794	272	IP			354	0.49	0.66							1.0
SKOMABZ	12807	268	IP			353	59.79	-0.23							1.0
MAKGRBZ	12907	267	IP			354	2.14	0.37							1.0
PHPENBZ	12947	269	IP			354	3.26	0.84							1.0

**August 16 2020 Hour: 15:57 22.2 Lat: 18.31S Lon: 26.67E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	170	289	IP			1557	49.07	0.30							1.0
KSANEBN	170	289	IS			1558	8.82	0.34							1.0
KSANEBN	170	289	IAML			1558	14.04			109	0.2				
SOOWABZ	254	191	IP			1557	58.98	-0.28							1.0
SOOWABE	254	191	IS			1558	27.11	0.39							1.0
SOOWABE	254	191	IAML			1558	29.44			198	0.8				
BROLNBZ	317	167	IP			1558	7.68	0.64							1.0
BROLNBE	317	167	IS			1558	41.07	0.82							1.0
BROLNBE	317	167	IAML			1558	51.20			14	0.7				
KHWEEBZ	423	197	IP			1558	19.22	-0.99							1.0
LPHEPBZ	566	188	IP			1558	36.38	-1.23							1.0

**August 16 2020 Hour: 20: 6 55.5 Lat: 66.43N Lon: 128.19E D: 6.3 Ag: BGS Distant**  
**Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12593	272	IP			2025	33.51	-0.86							1.0
BROLNBZ	12596	271	IP			2025	33.46	-0.99							1.0
KHWEEBZ	12765	272	IP			2025	36.74	-0.62							1.0
LPHEPBZ	12887	271	IP			2025	40.25	0.78							1.0
GRTLGBZ	12895	277	IP			2025	39.23	-0.40							1.0
KDWANBZ	12943	272	IP			2025	40.81	0.39							1.0



SKOMABZ13088	273	IP	2025	43.81	0.90												1.0
KOOLEBZ13103	277	IP	2025	43.62	0.39												1.0
MAKGRBZ13177	271	IP	2025	44.87	0.38												1.0

**August 17 2020 Hour: 15:44 49.8 Lat: 18.33S Lon: 26.49E D: 0.0 Ag: BGS Local**  
**Magnitudes: 3.0ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	152	292	IP			1545	13.35	-0.89							1.0
KSANEBE	152	292	IS			1545	33.09	0.75							1.0
KSANEBN	152	292	IAML			1545	41.87		196	0.2					
SOOWABZ	249	187	IP			1545	26.13	-0.12							1.0
SOOWABE	249	187	IS			1545	52.89	-0.36							1.0
SOOWABE	249	187	IAML			1545	56.12		502	0.5					
BROLNBZ	319	164	IP			1545	35.30	0.31							1.0
BROLNBN	319	164	IS			1546	8.85	0.40							1.0
BROLNBE	319	164	IAML			1546	14.05		41	0.3					
KHWEEBZ	415	195	IP			1545	47.25	0.34							1.0
KHWEEBN	415	195	IAML			1546	46.45		359	0.4					
KDWANBZ	591	198	IP			1546	7.81	-0.44							1.0
KDWANBN	591	198	IAML			1547	43.03		25	0.7					

**August 18 2020 Hour: 4:42 10.8 Lat: 33.60S Lon: 44.92E D:504.9 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	2124	289	IP			446	1.72	0.55							1.0
LPHEPBZ	2178	296	IP			446	6.04	0.46							1.0
BROLNBZ	2217	304	IP			446	8.41	-0.43							1.0
KDWANBZ	2277	295	IP			446	13.58	-0.12							1.0
SOOWABZ	2343	303	IP			446	18.47	-0.63							1.0
KSANEBZ	2635	307	IP			446	43.10	0.46							1.0
KOOLEBZ	2685	290	IP			446	45.88	-0.76							1.0
QNGWABZ	2821	298	IP			446	57.16	-0.32							1.0
XAUDMBZ	2877	300	IP			447	2.71	0.79							1.0

**August 18 2020 Hour: 18:29 28.6 Lat: 83.81N Lon: 155.93E D: 0.3 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12685	308	IP			1848	9.55	-0.62							1.0
BROLNBZ	12733	307	IP			1848	10.31	-0.71							1.0
GRTLGBZ	12819	313	IP			1848	11.69	-0.83							1.0
KHWEEBZ	12844	308	IP			1848	12.82	-0.13							1.0
LPHEPBZ	12996	308	IP			1848	15.46	-0.10							1.0
KOOLEBZ	13007	314	IP			1848	15.80	0.00							1.0
KDWANBZ	13009	309	IP			1848	16.45	0.66							1.0
SKOMABZ	13141	310	IP			1848	18.98	0.93							1.0
MAKGRBZ	13276	309	IP			1848	21.22	0.82							1.0

**August 18 2020 Hour: 22:24 4.6 Lat: 5.51S Lon: 100.22E D: 0.7 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	8024	250	IP			2235	31.04	0.05							1.0
LPHEPBZ	8180	247	IP			2235	39.45	0.11							1.0
MAKGRBZ	8293	245	IP			2235	44.54	-0.77							1.0
KDWANBZ	8303	247	IP			2235	45.96	0.17							1.0
SKOMABZ	8379	246	IP			2235	49.78	0.07							1.0
PHPENBZ	8488	245	IP			2235	55.95	0.60							1.0
GRTLGBZ	8659	249	IP			2236	3.92	-0.11							1.0
QNGWABZ	8668	251	IP			2236	4.36	-0.12							1.0
KOOLEBZ	8761	248	IP			2236	9.08	-0.02							1.0



**August 19 2020 Hour: 19:46 46.8 Lat: 83.45N Lon: 134.54W D: 0.2 Ag: BGS Distant**  
**Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QNGWABZ	12802	25	IP			20	5	29.53-0.94							1.0
SOOWABZ	12941	20	IP			20	5	32.24-0.60							1.0
GRTLGBZ	13005	25	IP			20	5	34.32 0.34							1.0
BROLNBZ	13005	19	IP			20	5	32.70-1.26							1.0
KHWEEBZ	13090	21	IP			20	5	35.78 0.34							1.0
KOOLEBZ	13179	27	IP			20	5	36.39-0.61							1.0
KDWANBZ	13245	22	IP			20	5	38.60 0.51							1.0
LPHEPBZ	13248	21	IP			20	5	38.77 0.62							1.0
SKOMABZ	13366	23	IP			20	5	40.75 0.57							1.0
PHPENBZ	13467	24	IP			20	5	42.36 0.44							1.0
MAKGRBZ	13514	22	IP			20	5	43.17 0.43							1.0

**August 20 2020 Hour: 13:59 59.4 Lat: 21.27S Lon: 25.28E D: 0.1 Ag: BGS Local**  
**Magnitudes: 2.0ML BGS**  
**Rms: 0.6 secs**

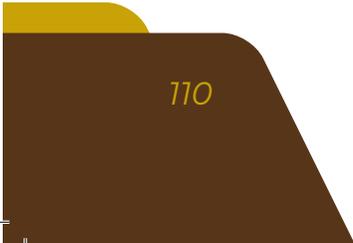
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ	76	167	IP			14	0	10.71-0.94							1.0
KHWEEBN	76	167	IAML			14	0	28.94		171	0.4				
BROLNBZ	214	85	IP			14	0	31.77 0.30							1.0
BROLNBE	214	85	IS			14	0	54.89-0.35							1.0
BROLNBN	214	85	IAML			14	0	58.19		19	0.6				
LPHEPBZ	239	166	IP			14	0	34.93 0.38							1.0
LPHEPBN	239	166	IS			14	1	1.37 0.78							1.0
LPHEPBE	239	166	IAML			14	1	12.69		8	0.5				
KDWANBZ	242	195	IP			14	0	35.25 0.32							1.0
KDWANBN	242	195	IS			14	1	0.75-0.50							1.0
KDWANBN	242	195	IAML			14	1	6.42		18	0.4				

**August 20 2020 Hour: 16:36 4.1 Lat: 78.97N Lon: 136.36E D: 0.0 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12635	286	IP			1654		44.29-0.55							1.0
BROLNBZ	12670	285	IP			1654		44.55-0.91							1.0
GRTLGBZ	12823	291	IP			1654		47.68-0.45							1.0
LPHEPBZ	12946	286	IP			1654		50.51 0.30							1.0
KDWANBZ	12972	287	IP			1654		51.07 0.40							1.0
SKOMABZ	13110	287	IP			1654		53.45 0.42							1.0
MAKGRBZ	13232	286	IP			1654		55.92 0.75							1.0

**August 21 2020 Hour: 4: 8 52.4 Lat: 6.88S Lon: 122.56E D: 15.0 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	10286	249	IP			422		2.50-0.29							1.0
LPHEPBZ	10398	246	IP			422		7.75 0.29							1.0
SOOWABZ	10409	249	IP			422		8.42 0.53							1.0
MAKGRBZ	10461	244	IP			422		10.12 0.07							1.0
KHWEEBZ	10465	247	IP			422		9.95-0.26							1.0
KDWANBZ	10519	246	IP			422		12.49 0.06							1.0
KSANEBZ	10565	251	IP			422		14.18-0.14							1.0
SKOMABZ	10571	245	IP			422		14.69 0.13							1.0
PHPENBZ	10660	244	IP			422		18.08-0.09							1.0
GRTLGBZ	10908	247	IP			422		27.90-0.32							1.0
QNGWABZ	10949	249	IP			422		29.94 0.10							1.0
KOOLEBZ	10977	246	IP			422		30.61-0.07							1.0



**August 21 2020 Hour: 4:20 14.9 Lat: 18.57N Lon: 87.78W D: 4.0 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	12588	108	IP			438	52.84	-0.73							1.0
XAUDMBZ	12603	103	IP			438	53.37	-0.41							1.0
QNGWABZ	12610	104	IP			438	53.51	-0.39							1.0
GRTLGBZ	12656	106	IP			438	53.42	-1.30							0.9
PHPENBZ	12903	110	IP			438	58.78	-0.16							1.0
KSANEBZ	12980	101	IP			439	0.42	0.16							1.0
SKOMABZ	12993	109	IP			439	0.55	0.07							1.0
KDWANBZ	13046	107	IP			439	1.77	0.37							1.0
KHWEEBZ	13098	105	IP			439	2.97	0.66							1.0
MAKGRBZ	13102	110	IP			439	2.58	0.20							1.0
LPHEPBZ	13166	107	IP			439	3.95	0.48							1.0
BROLNBZ	13274	104	IP			439	6.29	0.96							1.0

**August 22 2020 Hour: 8:39 50.9 Lat: 9.51S Lon: 6.77W D:700.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
XAUDMBZ	3191	111	IP			844	57.30	0.29							1.0
QNGWABZ	3203	113	IP			844	57.96	0.01							1.0
KOOLEBZ	3237	121	IP			845	0.61	0.09							1.0
GRTLGBZ	3269	117	IP			845	2.27	-0.75							1.0
KSANEBZ	3568	108	IP			845	25.47	-0.14							1.0
KDWANBZ	3679	119	IP			845	34.42	0.61							1.0
KHWEEBZ	3706	116	IP			845	36.41	0.54							1.0
SOOWABZ	3743	113	IP			845	39.09	0.52							1.0
MAKGRBZ	3789	123	IP			845	42.04	0.06							1.0
LPHEPBZ	3794	118	IP			845	41.71	-0.65							1.0
BROLNBZ	3870	113	IP			845	47.35	-0.62							1.0

**August 24 2020 Hour: 7:4 23.8 Lat: 12.97S Lon: 33.17E D:200.2 Ag: BGS Regional**  
**Magnitudes: 5.1ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	1012	237	IP			7 6	28.75	0.09							1.0
BROLNBZ	1093	214	IP			7 6	38.76	0.63							1.0
SOOWABZ	1120	220	IP			7 6	42.17	0.91							1.0
KHWEEBZ	1288	218	IP			7 7	0.26	-0.61							1.0
KHWEEBE	1288	218	IAML			711	36.11		632	0.5					1.0
GMAREBZ	1374	237	IP			7 7	10.84	-0.10							1.0
LPHEPBZ	1386	213	IP			7 7	12.78	0.47							1.0
XAUDMBZ	1409	243	IP			7 7	14.85	-0.19							1.0
KDWANBZ	1462	217	IP			7 7	21.14	-0.04							1.0
QNGWABZ	1473	239	IP			7 7	22.17	-0.32							1.0
GRTLGBZ	1574	232	IP			7 7	35.68	0.15							1.0
GRTLGBN	1574	232	IS			710	12.85	-0.78							1.0
GRTLGBN	1574	232	IAML			712	45.52		95	0.9					1.0
SKOMABZ	1606	216	IP			7 7	38.43	-0.64							1.0
PHPENBZ	1757	216	IP			7 7	54.80	-0.73							1.0
KOOLEBZ	1764	229	IP			7 7	56.71	0.40							1.0
KOOLEBN	1764	229	IS			710	54.35	1.55							0.9
KOOLEBN	1764	229	IAML			713	48.60		116	1.0					1.0
KHWEEBN			IS			7 9	14.07								1.0

**August 24 2020 Hour: 13:16 53.8 Lat: 25.85S Lon: 29.69E D: 48.3 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	429	327	IP			1317	48.37	-0.92							1.0
LPHEPBZ	476	305	IP			1317	55.26	0.28							1.0
LPHEPBN	476	305	IAML			1318	54.77		13	0.5					1.0
MAKGRBZ	490	269	IP			1317	56.75	-0.01							1.0
MAKGRBE	490	269	IS			1318	43.05	-0.29							1.0
MAKGRBN	490	269	IAML			1318	58.01		139	0.4					1.0



**August 25 2020 Hour: 15:35 32.0 Lat: 25.80S Lon: 29.76E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		428	326	IP		1536	31.77	0.99							1.0
LPHEPBZ		479	304	IP		1536	36.33	-0.59							1.0
MAKGRBZ		498	269	IP		1536	38.94	-0.28							1.0
MAKGRBN		498	269	IS		1537	29.75	0.82							1.0
MAKGRBN		498	269	IAML		1537	38.60		74	0.5					1.0
BROLNBZ		577	334	IP		1536	47.88	-0.91							1.0
BROLNBE		577	334	IS		1537	46.20	0.62							1.0
BROLNBE		577	334	IAML		1538	22.23		6	0.4					1.0
KDWANBZ		582	296	IP		1536	49.89	0.44							1.0
KDWANBE		582	296	IS		1537	45.65	-1.08							1.0
KDWANBE		582	296	IAML		1538	12.66		13	0.6					1.0

**August 25 2020 Hour: 18:27 36.2 Lat: 26.67S Lon: 28.21E D: 30.2 Ag: BGS Local**  
**Magnitudes: 3.0ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		354	285	IP		1828	23.57	0.54							1.0
MAKGRBN		354	285	IS		1828	56.19	-1.50							1.0
MAKGRBN		354	285	IAML		1829	0.18		120	0.5					1.0
LPHEPBZ		437	327	IP		1828	32.50	-0.69							1.0
LPHEPBN		437	327	IS		1829	15.53	0.16							1.0
MREMIBZ		461	350	IP		1828	35.54	-0.59							1.0
SKOMABZ		492	298	IP		1828	40.66	0.82							1.0
SKOMABN		492	298	IS		1829	27.70	0.76							1.0
SKOMABE		492	298	IAML		1829	41.17		15	0.3					1.0
KDWANBZ		511	315	IP		1828	42.48	0.27							1.0
KDWANBE		511	315	IS		1829	31.29	0.22							1.0
KDWANBN		511	315	IAML		1829	45.65		210	0.5					1.0

**August 25 2020 Hour: 19: 4 30.3 Lat: 15.35S Lon: 147.90E D:700.0 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KDWANBZ12516			236	IP		1921	49.88	0.20							1.0
SKOMABZ12519			235	IP		1921	49.03	-0.68							1.0
KHWEEBZ12522			238	IP		1921	50.05	0.27							1.0
LKGWBBZ12779			234	IP		1921	54.30	0.09							1.0
KOOLEBZ12933			234	IP		1921	57.19	0.30							1.0
GRTLGBZ12936			236	IP		1921	57.19	0.27							1.0
QNGWABZ13041			238	IP		1921	58.04	-0.67							1.0
XAUDMBZ13079			239	IP		1921	59.57	0.20							1.0

**August 25 2020 Hour: 19: 9 20.7 Lat: 12.65S Lon: 146.43E D:115.0 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ12326			240	IP		1927	39.59	-0.29							1.0
BROLNBZ12402			241	IP		1927	41.81	0.61							1.0
MAKGRBZ12415			236	IP		1927	42.27	0.83							1.0
LPHEPBZ12437			238	IP		1927	40.87	-0.92							1.0
SOOWABZ12533			241	IP		1927	42.65	-0.76							1.0
KHWEEBZ12542			240	IP		1927	43.49	-0.11							1.0
KDWANBZ12547			238	IP		1927	44.23	0.55							1.0
SKOMABZ12558			236	IP		1927	43.08	-0.77							1.0
GRTLGBZ12964			238	IP		1927	50.10	-0.78							1.0
KOOLEBZ12974			236	IP		1927	51.39	0.33							1.0
QNGWABZ13059			240	IP		1927	53.20	0.71							1.0
XAUDMBZ13092			241	IP		1927	53.62	0.57							1.0



**August 27 2020 Hour: 14:31 57.0 Lat: 26.25S Lon: 23.38E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHPENBZ	101	329	IP			1432	13.06	-0.17							1.0
MAKGRBZ	151	71	IP			1432	21.55	0.34							1.0
MAKGRBN	151	71	IS			1432	38.70	-0.45							1.0
MAKGRBE	151	71	IAML			1432	57.38		198	0.5					
LKGWBBZ	322	317	IP			1432	42.10	-0.40							1.0
KDWANBZ	344	22	IP			1432	44.56	-0.67							1.0
LPHEPBZ	407	39	IP			1432	53.46	0.39							1.0
LPHEPBN	407	39	IS			1433	35.01	0.43							1.0
LPHEPBE	407	39	IAML			1434	18.08		11	0.5					
KOOLEBZ	484	318	IP			1433	3.02	0.52							1.0

**August 27 2020 Hour: 14:45 1.1 Lat: 24.74S Lon: 27.33E D: 88.1 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	214	315	IP			1445	31.28	0.07							1.0
LPHEPBE	214	315	IAML			1446	18.54		17	0.3					
MREMIBZ	241	3	IP			1445	34.81	0.50							1.0
MAKGRBZ	281	245	IP			1445	38.45	-0.58							1.0
MAKGRBN	281	245	IS			1446	6.86	-0.21							1.0
MAKGRBN	281	245	IAML			1446	12.45		108	0.4					
KDWANBZ	311	298	IP			1445	43.08	0.59							1.0
KDWANBN	311	298	IAML			1446	43.57		18	0.3					
KHWEEBZ	365	328	IP			1445	49.41	0.57							1.0
KHWEEBE	365	328	IAML			1447	3.24		71	0.5					
BROLNBZ	403	0	IP			1445	53.46	0.09							1.0
BROLNBE	403	0	IS			1446	30.98	-1.04							1.0
BROLNBE	403	0	IAML			1446	55.10		12	0.4					

**August 29 2020 Hour: 12:38 26.3 Lat: 21.61S Lon: 24.17E D: 0.9 Ag: BGS Local**  
**Magnitudes: 3.1ML BGS Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ	137	106	IP			1238	49.19	0.84							1.0
LPHEPBZ	260	139	IP			1239	3.69	-0.40							1.0
MREMIBZ	354	108	IP			1239	15.65	-0.07							1.0
MREMIBN	354	108	IS			1239	52.48	0.20							1.0
MREMIBN	354	108	IAML			1240	18.99		74	0.2					
PHPENBZ	449	197	IP			1239	28.03	0.58							1.0
PHPENBE	449	197	IS			1240	13.80	1.10							1.0
PHPENBE	449	197	IAML			1241	35.77		80	0.5					
MAKGRBZ	470	172	IP			1239	28.08	-1.93							1.0
MAKGRBN	470	172	IS			1240	16.82	-0.33							1.0
MAKGRBN	470	172	IAML			1240	22.41		169	0.5					

**August 30 2020 Hour: 4: 6 22.0 Lat: 17.38S Lon: 35.43E D: 79.9 Ag: BGS Local**  
**Magnitudes: 4.8ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	946	243	IP			4 8	18.07	0.05							1.0
BROLNBN	946	243	IS			4 9	43.36	-0.50							1.0
BROLNBN	946	243	IAML			410	33.18		689	0.7					
SOOWABZ	1032	249	IP			4 8	28.69	0.49							1.0
SOOWABE	1032	249	IS			410	1.20	-0.36							1.0
SOOWABN	1032	249	IAML			411	2.05		1826	0.6					
KSANEBZ	1091	266	IP			4 8	34.74	-0.39							1.0
KSANEBN	1091	266	IS			410	13.76	0.14							1.0
KSANEBN	1091	266	IAML			411	33.32		199	1.0					
KHWEEBZ	1162	243	IP			4 8	43.16	-0.38							0.9
KHWEEBN	1162	243	IS			410	27.98	-0.27							0.9
KHWEEBN	1162	243	IAML			411	41.03		1169	0.4					
LPHEPBZ	1198	235	IP			4 8	47.18	-0.59							0.9
LPHEPBN	1198	235	IS			410	36.15	0.54							0.9

LPHEPBN	1198	235	IAML	411	47.89				178	0.7		
KDWANBZ	1305	238	IP	4	9	0.55	0.20					0.8
KDWANBN	1305	238	IS	410	57.78	0.27						0.8
KDWANBN	1305	238	IAML	412	21.76				337	0.9		
SKOMABZ	1432	235	IP	4	9	15.83	0.54					0.7
SKOMABE	1432	235	IS	411	23.36	-0.15						0.7
SKOMABE	1432	235	IAML	413	2.21				82	0.7		
MAKGRBZ	1442	228	IP	4	9	15.83	-0.66					0.7
XAUDMBZ	1498	263	IP	4	9	23.02	-0.01					0.6
XAUDMBE	1498	263	IS	411	36.04	-0.93						0.6
XAUDMBN	1498	263	IAML	413	30.90				307	0.5		
QNGWABZ	1524	259	IP	4	9	26.72	0.60					0.6
QNGWABN	1524	259	IS	411	43.28	0.94						0.6
QNGWABN	1524	259	IAML	413	33.30				94	0.9		
GRTLGBZ	1557	251	IP	4	9	30.51	0.59					0.6
GRTLGBN	1557	251	IS	411	49.54	0.59						0.6
GRTLGBN	1557	251	IAML	413	37.70				131	0.8		
PHPENBZ	1581	233	IP	4	9	33.03	0.28					0.6
PHPENBE	1581	233	IS	411	53.96	0.08						0.6
PHPENBE	1581	233	IAML	413	49.60				200	0.6		
KOOLEBZ	1708	246	IP	4	9	48.27	0.48					0.4
KOOLEBE	1708	246	IS	412	20.97	0.92						0.4
KOOLEBE	1708	246	IAML	414	18.30				132	0.8		

**August 30 2020 Hour: 21:22 1.3 Lat: 0.80S Lon: 26.85W D:700.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
XAUDMBZ		5615	113	IP		2129	59.49	0.58							1.0
QNGWABZ		5628	115	IP		2129	58.74	-0.96							1.0
KOOLEBZ		5645	119	IP		2130	1.36	0.51							1.0
GRTLGBZ		5689	117	IP		2130	3.05	-0.62							1.0
KSANEZBZ		5989	111	IP		2130	23.15	0.51							1.0
PHPENBZ		5990	121	IP		2130	22.96	0.25							1.0
SKOMABZ		6060	120	IP		2130	26.91	-0.11							1.0
KDWANBZ		6094	118	IP		2130	29.35	0.23							1.0
KHWEEBZ		6128	116	IP		2130	31.60	0.35							1.0
MAKGRBZ		6187	121	IP		2130	34.80	-0.13							1.0
LPHEPBZ		6211	118	IP		2130	36.30	-0.04							1.0
BROLNBZ		6294	115	IP		2130	40.81	-0.62							1.0

**August 31 2020 Hour: 3:36 31.2 Lat: 29.34N Lon: 56.95E D: 0.8 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZBZ		6231	217	IP		346	11.93	0.22							1.0
BROLNBZ		6418	213	IP		346	23.50	-0.16							1.0
QNGWABZ		6628	220	IP		346	36.58	-0.31							1.0
LPHEPBZ		6711	213	IP		346	41.49	-0.44							1.0
KDWANBZ		6777	214	IP		346	46.52	0.52							1.0
GRTLGBZ		6790	218	IP		346	47.15	0.30							1.0
SKOMABZ		6923	214	IP		346	54.57	-0.27							1.0
MAKGRBZ		6998	213	IP		346	59.72	0.33							1.0
KOOLEBZ		6998	218	IP		346	59.35	-0.09							1.0
PHPENBZ		7071	214	IP		347	3.62	-0.10							1.0

**August 31 2020 Hour: 11:50 17.4 Lat: 22.08S Lon: 25.09E D: 0.1 Ag: BGS Local**  
**Magnitudes: 2.1ML BGS**  
**Rms: 0.8 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KDWANBZ		151	197	IP		1150	40.76	-0.95							1.0
KDWANBE		151	197	IS		1151	0.41	0.73							1.0
KDWANBE		151	197	IAML		1151	47.38			33	0.6				
LPHEPBZ		163	151	IP		1150	43.13	-0.11							1.0
LPHEPBN		163	151	IS		1151	2.11	-0.22							1.0
LPHEPBE		163	151	IAML		1151	8.26			73	0.6				
BROLNBZ		256	66	IP		1150	53.85	-0.97							1.0





QNGWABZ	9299	109	IP	442	27.25	0.58											1.0
MAKGRBZ	9300	116	IP	442	26.18	-0.49											1.0
XAUDMBZ	9365	108	IP	442	29.75	0.02											1.0
KDWANBZ	9416	114	IP	442	31.90	-0.08											1.0
LPHEPBZ	9524	114	IP	442	37.26	0.40											1.0
KHWEEBZ	9563	113	IP	442	38.70	0.08											1.0
KSANEZBZ	9759	109	IP	442	46.92	-0.33											1.0
BROLNBZ	9779	113	IP	442	48.00	-0.07											1.0

**September 1 2020 Hour: 21:10 42.5 Lat: 29.48S Lon: 67.69W D:662.5 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ	8599	109	IP			2121	31.24	-0.55							1.0
PHPENBZ	8716	113	IP			2121	37.47	0.17							1.0
GRTLGBZ	8775	108	IP			2121	40.34	0.16							1.0
QNGWABZ	8864	107	IP			2121	44.81	0.41							1.0
MAKGRBZ	8872	114	IP			2121	44.81	0.14							1.0
XAUDMBZ	8931	106	IP			2121	47.69	0.21							1.0
GMAREBZ	8963	107	IP			2121	48.33	-0.65							1.0
KDWANBZ	8985	112	IP			2121	49.92	-0.01							1.0
LPHEPBZ	9094	112	IP			2121	55.03	0.13							1.0
KHWEEBZ	9131	111	IP			2121	56.95	0.33							1.0
SOOWABZ	9275	110	IP			2122	3.02	-0.01							1.0
KSANEZBZ	9325	107	IP			2122	5.57	0.28							1.0
BROLNBZ	9348	111	IP			2122	5.61	-0.64							1.0

**September 2 2020 Hour: 12:56 25.7 Lat: 25.87S Lon: 29.89E D: 53.8 Ag: BGS Local**  
**Magnitudes: 2.9ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	493	303	IP			1257	29.45	0.43							1.0
LPHEPBE	493	303	ES			1258	15.74	-0.11							1.0
LPHEPBE	493	303	IAML			1258	33.34			22	0.5				
MAKGRBZ	510	270	EP			1257	30.52	-0.54							1.0
MAKGRBE	510	270	ES			1258	19.52	0.12							1.0
MAKGRBN	510	270	IAML			1258	27.65			193	0.4				
MAKGRBN	510	270	IPn			13	2	40.71							
BROLNBZ	589	333	IP			1257	40.46	-0.07							1.0
BROLNBE	589	333	IS			1258	35.75	-0.14							1.0
BROLNBE	589	333	IAML			1259	10.26			16	0.4				
KDWANBZ	597	296	IP			1257	41.75	0.31							1.0

**September 3 2020 Hour: 11:9 25.5 Lat: 26.51S Lon: 27.19E D:247.2 Ag: BGS Local**  
**Magnitudes: 2.9ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	251	287	IP			1110	9.68	0.80							1.0
MAKGRBN	251	287	IS			1110	40.18	-0.77							1.0
MAKGRBN	251	287	IAML			1110	50.89			244	0.6				
LPHEPBZ	374	339	IP			1110	20.04	-0.37							1.0
LPHEPBN	374	339	IS			1111	1.10	0.08							1.0
LPHEPBE	374	339	IAML			1111	16.02			50	0.4				
SKOMABZ	395	303	IP			1110	23.11	0.54							1.0
KDWANBZ	431	323	IP			1110	26.56	0.30							1.0
KDWANBE	431	323	IS			1111	12.18	0.99							1.0
KDWANBE	431	323	IAML			1111	30.99			71	0.4				
BROLNBZ	599	1	IP			1110	44.95	0.48							1.0
BROLNBE	599	1	IS			1111	42.02	-0.86							1.0
BROLNBE	599	1	IAML			1112	11.44			11	0.6				
LKGWBBZ	657	293	IP			1110	49.72	-1.19							1.0



**September 3 2020 Hour: 23:29 12.1 Lat: 62.78S Lon: 67.05W D: 0.0 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PHPENBZ		7509	102	IP		2340	11.39	0.47							1.0
MAKGRBZ		7574	104	IP		2340	14.05	-0.54							1.0
KOOLEBZ		7614	99	IP		2340	16.91	-0.02							1.0
SKOMABZ		7655	103	IP		2340	20.14	0.97							1.0
KDWANBZ		7801	103	IP		2340	27.61	0.31							1.0
GRTLGBZ		7822	99	IP		2340	28.08	-0.48							1.0
LPHEPBZ		7862	104	IP		2340	29.03	-1.64							0.9
KHWEEBZ		7978	103	IP		2340	37.12	0.08							1.0
QNGWABZ		7997	98	IP		2340	38.07	-0.03							1.0
MREMIBZ		8017	105	IP		2340	39.02	-0.08							1.0
SOOWABZ		8151	103	IP		2340	46.63	0.35							1.0
BROLNBZ		8154	104	IP		2340	46.87	0.40							1.0

**September 5 2020 Hour: 12:39 5.2 Lat: 24.48S Lon: 29.01E D:458.5 Ag: BGS Local**  
**Magnitudes: 3.1ML BGS**  
**Rms: 1.0 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		265	323	IP		1240	8.97	-0.14							1.0
MREMIBE		265	323	IS		1240	57.36	0.95							1.0
MREMIBN		265	323	IAML		1241	19.50			34	0.4				
MAKGRBZ		450	250	IP		1240	23.26	0.65							1.0
MAKGRBN		450	250	IS		1241	17.89	-1.99							1.0
MAKGRBE		450	250	IAML		1241	21.95			98	0.5				
SKOMABZ		515	268	IP		1240	29.58	1.36							1.0
SKOMABN		515	268	IS		1241	30.21	0.55							1.0
SKOMABN		515	268	IAML		1242	2.05			19	0.4				
SOOWABZ		520	326	IP		1240	26.95	-1.74							1.0
PHPENBZ		631	259	IP		1240	39.36	0.31							1.0
PHPENBE		631	259	IS		1241	48.67	0.17							1.0
PHPENBE		631	259	IAML		1242	36.52			42	0.5				
GMAREBZ		904	307	IP		1241	6.76	-0.11							1.0

**September 6 2020 Hour: 1:17 2.2 Lat: 32.53S Lon: 70.54W D: 1.6 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ		8740	110	IP		129	5.86	-0.21							1.0
PHPENBZ		8832	113	IP		129	10.13	-0.39							1.0
GRTLGBZ		8922	109	IP		129	14.68	-0.35							1.0
MAKGRBZ		8979	115	IP		129	17.81	0.11							1.0
SKOMABZ		8980	113	IP		129	17.81	0.10							1.0
QNGWABZ		9024	107	IP		129	19.51	-0.40							1.0
XAUDMBZ		9095	107	IP		129	23.50	0.16							1.0
KDWANBZ		9109	112	IP		129	23.78	-0.11							1.0
GMAREBZ		9120	108	IP		129	25.49	1.00							1.0
LPHEPBZ		9213	113	IP		129	29.75	0.93							1.0
KHWEEBZ		9261	112	IP		129	31.74	0.67							1.0
SOOWABZ		9411	111	IP		129	37.15	-0.77							1.0
BROLNBZ		9476	112	IP		129	40.28	-0.61							1.0
KSANEBZ		9482	108	IP		129	41.13	-0.04							1.0

**September 6 2020 Hour: 2:59 39.7 Lat: 27.94S Lon: 162.16E D: 15.0 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ12529		221	221	IP		318	15.07	-0.51							1.0
LPHEPBZ12663		224	224	IP		318	18.29	0.44							1.0
PHPENBZ12683		220	220	IP		318	18.10	-0.10							1.0
SKOMABZ12695		222	222	IP		318	18.24	-0.16							1.0
KDWANBZ12742		223	223	IP		318	19.34	0.12							1.0
BROLNBZ12743		227	227	IP		318	18.97	-0.27							1.0
KHWEEBZ12808		225	225	IP		318	19.98	-0.37							1.0
SOOWABZ12866		226	226	IP		318	20.59	-0.75							1.0



KOOLEBZ13066	220	IP	318	25.11	0.27										1.0
GRTLGBZ13142	222	IP	318	26.55	0.42										1.0
KSANEBZ13165	228	IP	318	27.33	0.84										1.0
QNGWABZ13301	223	IP	318	28.92	0.07										1.0

**September 6 2020 Hour: 6:51 7.1 Lat: 8.06N Lon: 38.81W D: 0.0 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
XAUDMBZ		7228	115	IP		7	1	49.08							1.0
QNGWABZ		7247	116	IP		7	1	50.34							1.0
KOOLEBZ		7283	120	IP		7	1	51.89							1.0
GRTLGBZ		7319	118	IP		7	1	54.33							1.0
GMAREBZ		7340	115	IP		7	1	55.44							1.0
KSANEBZ		7589	113	IP		7	2	8.97							1.0
PHPENBZ		7634	121	IP		7	2	12.00							1.0
SKOMABZ		7699	120	IP		7	2	15.62							1.0
KDWANBZ		7728	119	IP		7	2	16.73							1.0
KHWEEBZ		7754	117	IP		7	2	18.95							1.0
SOOWABZ		7784	115	IP		7	2	20.50							1.0
MAKGRBZ		7830	121	IP		7	2	23.39							1.0
LPHEPBZ		7843	118	IP		7	2	23.61							1.0
BROLNBZ		7913	115	IP		7	2	27.82							1.0
MREMIBZ		7971	117	IP		7	2	31.15							1.0

**September 6 2020 Hour: 11:42 34.0 Lat: 23.43S Lon: 27.59E D: 55.8 Ag: BGS Local**  
**Magnitudes: 1.2ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		97	351	IP		1142		49.37							1.0
LPHEPBZ		177	272	IP		1142		57.99							1.0
LPHEPBN		177	272	IS		1143		18.03							1.0
BROLNBZ		259	354	IP		1143		9.76							1.0
BROLNBE		259	354	IS		1143		34.43							1.0
BROLNBN		259	354	IAML		1143		56.51		3	0.6				1.0
KHWEEBZ		275	306	IP		1143		10.35							1.0
KDWANBZ		300	270	IP		1143		14.19							1.0

**September 6 2020 Hour: 15:34 14.5 Lat: 18.16S Lon: 26.56E D: 42.8 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		153	285	IP		1534		36.27							1.0
KSANEBN		153	285	IAML		1535		6.36		77	0.3				1.0
SOOWABZ		269	188	IP		1534		50.63							1.0
SOOWABE		269	188	IS		1535		17.81							1.0
SOOWABE		269	188	IAML		1535		20.62		159	0.7				1.0
BROLNBZ		336	166	IP		1534		59.33							1.0
BROLNBE		336	166	IS		1535		31.21							1.0
BROLNBE		336	166	IAML		1535		40.31		14	0.3				1.0
KHWEEBZ		436	195	IP		1535		11.11							1.0
KDWANBZ		611	199	IP		1535		32.20							1.0

**September 8 2020 Hour: 0:45 34.9 Lat: 12.56S Lon: 124.82E D: 12.8 Ag: BGS Distant**  
**Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ10230		247		IP		058		44.16							1.0
BROLNBZ10281		248		IP	D	058		45.68							1.0
LPHEPBZ10365		245		IP		058		48.71							1.0
SOOWABZ10409		248		IP	D	058		50.57							1.0
KDWANBZ10483		245		IP		058		54.26							1.0
GRTLGBZ10886		246		IP	D	059		9.91							1.0
QNGWABZ10948		248		IP		059		13.11							1.0



**September 9 2020 Hour: 14:23 37.8 Lat: 26.81S Lon: 26.44E D:134.0 Ag: BGS Local**  
**Magnitudes: 3.3ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		197	304	IP		1424	8.34	0.24							1.0
SKOMABZ		358	315	IP		1424	26.01	0.43							1.0
LPHEPBZ		386	351	IP		1424	27.86	-0.97							1.0
PHPENBZ		387	292	IP		1424	29.36	0.36							1.0
PHPENBN		387	292	IS		1425	5.98	-0.87							1.0
PHPENBE		387	292	IAML		1425	31.10		252	0.4					1.0
KDWANBZ		420	334	IP		1424	33.31	0.60							1.0
KDWANBN		420	334	IS		1425	13.86	0.54							1.0
KDWANBN		420	334	IAML		1425	37.63		120	0.3					1.0
MREMIBZ		480	12	IP		1424	39.80	0.14							1.0
MREMIBE		480	12	IS		1425	25.29	-0.13							1.0
MREMIBE		480	12	IAML		1425	47.02		133	0.3					1.0
BROLNBZ		639	8	IP		1424	57.76	-0.34							1.0

**September 9 2020 Hour: 14:46 43.8 Lat: 25.43S Lon: 28.53E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		335	341	IP		1447	30.54	-0.38							1.0
MREMIBN		335	341	IS		1448	5.70	-0.12							1.0
LPHEPBZ		354	310	IP		1447	32.96	-0.38							1.0
LPHEPBN		354	310	IS		1448	10.12	0.10							1.0
LPHEPBN		354	310	IAML		1448	30.93		21	0.6					1.0
MAKGRBZ		377	263	IP		1447	36.77	0.62							1.0
MAKGRBN		377	263	IS		1448	14.30	-0.62							1.0
MAKGRBN		377	263	IAML		1448	33.73		95	0.6					1.0
SKOMABZ		475	281	IP		1447	48.90	0.72							1.0
BROLNBZ		495	345	IP		1447	50.01	-0.54							1.0
BROLNBN		495	345	IS		1448	40.58	0.60							1.0
BROLNBN		495	345	IAML		1449	4.72		11	0.6					1.0

**September 9 2020 Hour: 14:46 43.6 Lat: 25.56S Lon: 28.82E D: 23.6 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		360	337	IP		1447	32.61	0.99							1.0
LPHEPBZ		386	308	IP		1447	34.77	-0.18							1.0
LPHEPBE		386	308	IS		1448	13.41	0.48							1.0
LPHEPBE		386	308	IAML		1448	30.84		27	0.5					1.0
MAKGRBZ		404	265	IP		1447	36.73	-0.42							1.0
MAKGRBN		404	265	IS		1448	17.69	0.92							1.0
MAKGRBN		404	265	IAML		1448	34.02		94	0.6					1.0
KDWANBZ		486	299	IP		1447	47.30	0.26							1.0
KDWANBE		486	299	IS		1448	33.00	-0.97							1.0
KDWANBE		486	299	IAML		1448	57.34		35	0.6					1.0
SKOMABZ		506	282	IP		1447	49.13	-0.40							1.0
BROLNBZ		517	343	IP		1447	50.55	-0.28							1.0
BROLNBN		517	343	IS		1448	40.30	-0.26							1.0
BROLNBE		517	343	IAML		1449	5.09		17	0.7					1.0
KHWEEBZ		528	319	IP		1447	52.42	0.29							1.0
PHPENBZ		599	270	IP		1448	0.35	-0.43							1.0

**September 10 2020 Hour: 11:33 50.0 Lat: 25.80S Lon: 29.88E D: 95.8 Ag: BGS Local**  
**Magnitudes: 2.9ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		435	325	IP		1134	45.58	-0.43							1.0
LPHEPBZ		489	303	IP		1134	54.02	1.69							1.0
MAKGRBZ		510	269	IP		1134	54.93	0.15							1.0
MAKGRBN		510	269	IS		1135	42.35	-0.36							1.0
MAKGRBN		510	269	IAML		1135	51.47		138	0.5					1.0
BROLNBZ		582	333	IP		1135	2.66	-0.63							1.0
BROLNBN		582	333	IS		1135	57.60	0.08							1.0

BROLNBE	582	333	IAML	1136	31.64			13	0.5				
KDWANBZ	593	296	IP	1135	4.45-0.11								1.0
KDWANBN	593	296	IAML	1136	26.61			23	0.9				
SKOMABZ	617	282	IP	1135	6.94-0.39								1.0

**September 10 2020 Hour: 12:45 29.5 Lat: 25.34S Lon: 28.73E D: 0.1 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		333	337	IP		1246	16.38	0.05							1.0
MREMIBE		333	337	IS		1246	50.88-0.13								1.0
MREMIBE		333	337	IAML		1247	20.58		178	0.3					
LPHEPBZ		364	306	IP		1246	20.15-0.02								1.0
LPHEPBN		364	306	IS		1246	57.36-0.34								1.0
LPHEPBE		364	306	IAML		1247	32.61		18	0.5					
MAKGRBZ		398	262	IP		1246	25.01	0.59							1.0
KDWANBZ		466	297	IP		1246	33.22	0.47							1.0
KDWANBN		466	297	IS		1247	19.64	0.06							1.0
KDWANBE		466	297	IAML		1247	59.82		34	0.5					
BROLNBZ		490	343	IP		1246	35.08-0.64								1.0
BROLNBE		490	343	IS		1247	25.43	0.68							1.0
BROLNBE		490	343	IAML		1248	0.19		15	0.5					
SKOMABZ		492	280	IP		1246	35.31-0.67								1.0
SOOWABZ		588	334	IP		1246	47.48-0.04								1.0

**September 11 2020 Hour: 7:35 56.6 Lat: 21.98S Lon: 68.46W D: 0.3 Ag: BGS Distant**  
**Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOOLEBZ		8960	111	IP		748	11.23-0.00								1.0
LKGWBBZ		9016	112	IP		748	14.33	0.45							1.0
GRTLGBZ		9121	110	IP		748	18.35-0.56								1.0
QNGWABZ		9188	108	IP	D	748	22.10	0.05							1.0
MAKGRBZ		9289	115	IP		748	26.44-0.26								1.0
KDWANBZ		9373	113	IP	D	748	30.78	0.20							1.0
LPHEPBZ		9488	113	IP	D	748	35.75-0.02								1.0
SOOWABN		9638	111	IP	C	748	42.89	0.44							1.0
MREMIBZ		9672	113	IP		748	43.82-0.10								1.0
BROLNBZ		9723	112	IP	D	748	45.99-0.19								1.0

**September 11 2020 Hour: 11:47 5.7 Lat: 23.61S Lon: 27.39E D: 8.3 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		116	3	IP		1147	22.71-1.44								1.0
MREMIBE		116	3	IS		1147	37.49-0.30								1.0
MREMIBE		116	3	IAML		1147	38.85		154	0.3					
LPHEPBZ		159	280	IP		1147	29.44-0.69								1.0
LPHEPBN		159	280	IS		1147	48.57	0.36							1.0
LPHEPBE		159	280	IAML		1147	54.92		27	0.7					
KHWEEBZ		272	312	IP		1147	45.00	0.82							1.0
BROLNBZ		278	359	IP		1147	46.09	1.12							1.0
BROLNBE		278	359	IS		1148	13.77-0.26								1.0
BROLNBE		278	359	IAML		1148	24.03		11	0.5					
KDWANBZ		280	275	IP		1147	45.63	0.44							1.0
KDWANBN		280	275	IS		1148	13.92-0.49								1.0
KDWANBE		280	275	IAML		1148	35.63		35	0.6					
MAKGRBZ		358	227	IP		1147	55.06	0.20							1.0
MAKGRBE		358	227	IS		1148	30.71-0.53								1.0
MAKGRBE		358	227	IAML		1148	47.16		20	0.5					
SOOWABZ		359	340	IP		1147	55.74	0.79							1.0

**September 12 2020 Hour: 2:44 21.1 Lat: 32.57N Lon: 132.25E D: 0.1 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ	12594	259	IP			3	2	59.77-0.93							1.0
KSANEBZ	12625	263	IP			3	3	0.55-0.68							1.0
SOOWABZ	12670	260	IP			3	3	0.82-1.16							1.0
KHWEEBZ	12811	259	IP		D	3	3	5.02 0.59							1.0
LPHEPBZ	12843	258	IP			3	3	4.76-0.21							1.0
KDWANBZ	12954	258	IP			3	3	7.38 0.50							1.0
KAUDMBZ	13021	264	IP			3	3	7.77-0.27							1.0
MAKGRBZ	13056	256	IP			3	3	8.17-0.50							1.0
SKOMABZ	13075	257	IP			3	3	9.22 0.26							1.0
SKOMABZ	13075	257	IP			3	3	10.01							1.0
QNGWABZ	13087	264	IP			3	3	9.75 0.57							1.0
GRTLGBZ	13174	262	IP		D	3	3	11.32 0.62							1.0
PHPENBZ	13218	257	IP			3	3	11.85 0.42							1.0
LKGWBBZ	13305	259	IP			3	3	12.90-0.06							1.0
KOOLEBZ	13347	261	IP		D	3	3	14.47 0.77							1.0

**September 12 2020 Hour: 6:21 0.5 Lat: 28.13S Lon: 26.66E D: 37.4 Ag: BGS Local**  
**Magnitudes: 3.3ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBE	316	324	IS			622	13.56-0.23								1.0
PHPENBZ	479	307	IP			622	1.37-0.95								1.0
SKOMABZ	484	325	IP			622	2.43-0.55								1.0
LPHEPBZ	534	351	IP			622	9.30 0.23								1.0
LPHEPBE	534	351	IS			623	0.24 0.42								1.0
LPHEPBN	534	351	IAML			623	34.44		29	0.4					1.0
KDWANBZ	563	339	IP			622	12.78 0.22								1.0
KDWANBE	563	339	IS			623	5.56-0.34								1.0
KDWANBN	563	339	IAML			623	43.37		140	0.5					1.0
MREMIBZ	621	8	IP			622	19.53-0.07								1.0
KHWEEBZ	696	350	IP			622	28.79 0.31								1.0
KHWEEBN	696	350	IS			623	33.51-0.09								1.0
KHWEEBN	696	350	IAML			624	20.38		175	0.3					1.0
BROLNBZ	782	5	IP			622	38.29-0.30								1.0
BROLNBN	782	5	IS			623	50.66-0.53								1.0
BROLNBE	782	5	IS			623	52.30								1.0
BROLNBE	782	5	IAML			624	40.09		36	0.6					1.0
SOOWABZ	840	357	IP			622	46.09 0.74								1.0
KOOLEBZ	863	310	IP			622	48.02-0.14								1.0
KOOLEBN	863	310	IS			624	8.50 0.66								1.0
KOOLEBE	863	310	IAML			625	8.90		27	0.8					1.0
MAKGRBZ	316	324	IP			621	43.22 0.61								1.0

**September 12 2020 Hour: 10:21 24.2 Lat: 25.67S Lon: 30.06E D: 31.2 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	434	322	IP			1022	21.30 0.45								1.0
LPHEPBZ	497	300	IP			1022	28.64 0.24								1.0
LPHEPBE	497	300	IAML			1023	32.48		15	0.2					1.0
MAKGRBZ	528	267	IP			1022	31.41-0.79								1.0
MAKGRBE	528	267	IS			1023	22.64 0.13								1.0
MAKGRBN	528	267	IAML			1023	29.44		113	0.5					1.0
BROLNBZ	578	331	IP			1022	38.14-0.13								1.0
BROLNBE	578	331	IS			1023	32.81-0.27								1.0
BROLNBE	578	331	IAML			1024	14.69		10	0.5					1.0
PHPENBZ	724	270	IP			1022	56.12 0.37								1.0



**September 12 2020 Hour: 11:42 39.8 Lat: 23.64S Lon: 27.54E D: 4.5 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		119	356	IP		1142	59.37	0.34							1.0
MREMIBE		119	356	IS		1143	13.18	-0.05							1.0
MREMIBE		119	356	IAML		1143	14.94		109	0.4					1.0
LPHEPBZ		174	280	IP		1143	6.40	-0.14							1.0
LPHEPBN		174	280	IS		1143	26.65	0.36							1.0
LPHEPBE		174	280	IAML		1143	32.03		63	0.5					1.0
BROLNBZ		282	356	IP		1143	20.32	0.32							1.0
BROLNBE		282	356	IS		1143	49.56	-0.16							1.0
BROLNBE		282	356	IAML		1144	7.78		11	0.7					1.0
KHWEEBZ		285	311	IP		1143	19.67	-0.68							1.0
KHWEEBE		285	311	IAML		1144	5.73		70	0.8					1.0

**September 12 2020 Hour: 14:15 24.2 Lat: 28.15S Lon: 26.19E D:269.8 Ag: BGS Local**  
**Magnitudes: 3.2ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		294	332	IP		1416	14.05	0.99							1.0
MAKGRBN		294	332	IS		1416	49.12	-0.09							1.0
MAKGRBN		294	332	IAML		1417	0.97		257	0.4					1.0
PHPENBZ		444	311	IP		1416	27.24	-0.39							1.0
LPHEPBZ		532	356	IP		1416	37.08	0.30							1.0
LPHEPBN		532	356	IS		1417	29.94	-0.53							1.0
LPHEPBE		532	356	IAML		1417	51.36		31	0.5					1.0
MREMIBZ		631	12	IP		1416	47.36	-0.22							1.0
MREMIBE		631	12	IS		1417	48.72	-0.55							1.0
MREMIBN		631	12	IAML		1418	27.05		60	0.3					1.0
LKGWBBZ		668	311	IP		1416	51.49	-0.22							1.0
KHWEEBZ		691	354	IP		1416	54.10	-0.15							1.0
BROLNBZ		790	9	IP		1417	5.47	0.21							1.0
BROLNBE		790	9	IS		1418	20.10	0.08							1.0
BROLNBN		790	9	IAML		1419	2.41		9	0.6					1.0
SOOWABZ		841	0	IP		1417	10.59	-0.40							1.0
SOOWABN		841	0	IS		1418	30.99	0.99							1.0
SOOWABE		841	0	IAML		1419	24.61		120	0.7					1.0

**September 13 2020 Hour: 9:15 3.2 Lat: 18.53S Lon: 26.24E D: 31.0 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEZBZ		139	305	IP		915	22.92	0.35							1.0
KSANEZBE		139	305	IS		915	36.56	-0.36							1.0
KSANEZBE		139	305	IAML		915	44.89		122	0.5					1.0
SOOWABZ		225	180	IP		915	33.49	0.25							1.0
SOOWABN		225	180	IS		915	55.58	0.08							1.0
BROLNBZ		307	158	IP		915	43.45	0.04							1.0
BROLNBE		307	158	IS		916	12.83	-0.36							1.0
BROLNBN		307	158	IAML		916	23.88		17	0.5					1.0

**September 13 2020 Hour: 10:28 15.5 Lat: 8.99S Lon: 146.68E D: 0.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ12618		242		IP		1046	54.43	-0.88							1.0
MAKGRBZ12664		237		IP		1046	56.05	-0.07							1.0
LPHEPBZ12670		240		IP		1046	55.85	-0.35							1.0
SKOMABZ12801		238		IP		1046	58.49	0.04							1.0
KSANEZBZ12958		245		IP		1047	0.93	-0.22							1.0
LKGWBBZ13071		237		IP		1047	2.55	-0.57							1.0
GRTLGBZ13197		240		IP		1047	5.60	0.31							1.0
KOOLEBZ13218		238		IP		1047	6.21	0.53							1.0
QNGWABZ13280		242		IP		1047	7.43	0.72							1.0
XAUDMBZ13306		243		IP		1047	7.63	0.48							1.0



**September 14 2020 Hour: 11:41 23.8 Lat: 23.41S Lon: 27.27E D: 15.0 Ag: BGS Local**  
**Magnitudes: 2.0ML BGS Rms: 0.3 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	95	11	IP		1141	38.57	0.28							1.0
MREMIBE	95	11	IAML		1142	4.08		106	0.3					
LPHEPBZ	144	272	IP		1141	45.72	0.06							1.0
LPHEPBE	144	272	IAML		1142	21.54		42	0.8					
BROLNBZ	256	1	IP		1141	59.95	0.34							1.0
BROLNBE	256	1	IAML		1142	56.26		11	0.8					

**September 14 2020 Hour: 18:31 58.4 Lat: 27.02S Lon: 26.77E D: 78.9 Ag: BGS Local**  
**Magnitudes: 3.3ML BGS Rms: 0.5 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	238	304	IP		1832	31.82	0.69							1.0
MAKGRBE	238	304	IS		1832	54.79	0.54							1.0
MAKGRBN	238	304	IAML		1832	59.40		453	0.4					
SKOMABZ	397	314	IP		1832	49.62	0.32							1.0
LPHEPBZ	415	347	IP		1832	52.32	0.30							1.0
LPHEPBE	415	347	IS		1833	32.56	0.88							1.0
LPHEPBE	415	347	IAML		1833	49.24		46	0.7					
PHPENBZ	427	293	IP		1832	53.26	0.15							1.0
PHPENBE	427	293	IS		1833	33.97	0.12							1.0
PHPENBE	427	293	IAML		1833	54.10		298	0.3					
MREMIBZ	497	8	IP		1833	0.92	0.76							1.0
MREMIBN	497	8	IS		1833	47.53	0.96							1.0
MREMIBN	497	8	IAML		1834	13.99		143	0.3					
KHWEEBZ	577	346	IP		1833	11.85	0.72							1.0
KHWEEBE	577	346	IS		1834	5.10	0.17							1.0
KHWEEBN	577	346	IAML		1834	40.42		219	0.4					
BROLNBZ	658	5	IP		1833	20.66	0.08							1.0
BROLNBE	658	5	IS		1834	21.37	0.00							1.0
BROLNBE	658	5	IAML		1834	57.15		29	0.5					
SOOWABZ	717	355	IP		1833	27.97	0.44							1.0
SOOWABE	717	355	IS		1834	33.39	0.07							1.0
SOOWABN	717	355	IAML		1835	21.79		77	0.5					
GRTLGBZ	843	317	IP		1833	42.04	0.34							1.0

**September 15 2020 Hour: 3:49 45.2 Lat: 49.99N Lon: 99.39E D:240.2 Ag: BGS Distant**  
**Magnitudes: 3.3ML BGS Rms: 0.6 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BROLNBZ10558	243	IP			4	2	40.70	0.07						1.0
XAUDMBZ10730	249	IP			4	2	48.55	0.68						1.0
KHWEEBZ10752	244	IP			4	2	49.45	0.81						1.0
QNGWABZ10826	249	IP			4	2	51.99	0.31						1.0
LPHEPBZ10848	243	IP			4	2	52.91	0.48						1.0
GRTLGBZ10979	247	IP			4	2	57.16	0.44						1.0
SKOMABZ11071	243	IP			4	3	0.89	0.34						1.0
MAKGRBZ11126	242	IP			4	3	3.75	0.26						1.0
KOOLEBZ11185	247	IP			4	3	4.70	1.14						1.0
PHPENBZ11222	244	IP			4	3	6.68	0.59						1.0

**September 15 2020 Hour: 9:37 0.4 Lat: 23.18S Lon: 24.49E D: 0.1 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.4 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	142	98	IP		937	23.35	0.11							1.0
LPHEPBN	142	98	IAML		938	43.84		16	0.4					
MAKGRBZ	293	174	IP		937	42.55	0.22							1.0
MAKGRBN	293	174	IAML		938	38.16		111	0.4					
MREMIBZ	311	78	IP		937	44.21	0.35							1.0
LKGWBBN	349	252	IAML		940	21.11		20	0.5					
BROLNBZ	373	52	IP		937	51.60	0.70							1.0
BROLNBN	373	52	IS		938	31.30	0.59							1.0
BROLNBE	373	52	IAML		939	16.15		9	0.4					



GMAREBZ 484 330 IP 938 6.07 0.14 1.0

**September 15 2020 Hour: 12:51 5.8 Lat: 24.85S Lon: 23.48E D:248.4 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	170	129	IP			1251	41.74	-1.20							1.0
MAKGRBN	170	129	IS			1252	10.96	0.54							1.0
MAKGRBN	170	129	IAML			1252	26.49		90	0.6					
LPHEPBZ	292	56	IP			1251	53.46	0.56							1.0
LPHEPBE	292	56	IAML			1252	48.03		14	0.3					
MREMIBZ	476	59	IP			1252	11.68	0.28							1.0
BROLNBZ	573	44	IP			1252	22.39	0.54							1.0
BROLNBE	573	44	IS			1253	17.41	-0.72							1.0
BROLNBN	573	44	IAML			1253	19.41		3	0.3					

**September 17 2020 Hour: 13:28 27.7 Lat: 26.18S Lon: 30.53E D: 9.2 Ag: BGS Local**  
**Magnitudes: 2.9ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	508	321	IP			1329	35.54	0.42							1.0
MREMIBE	508	321	IS			1330	24.33	-0.67							1.0
LPHEPBZ	566	303	IP			1329	41.26	-0.93							1.0
LPHEPBE	566	303	IS			1330	38.04	0.74							1.0
MAKGRBZ	575	273	IP			1329	42.76	-0.50							1.0
MAKGRBN	575	273	IS			1330	39.43	0.25							1.0
MAKGRBN	575	273	IAML			1330	56.24		110	0.5					
BROLNBZ	650	329	IP			1329	53.42	1.00							1.0
BROLNBN	650	329	IS			1330	54.79	-0.31							1.0
BROLNBE	650	329	IAML			1331	19.53		10	0.3					

**September 18 2020 Hour: 12:59 57.9 Lat: 21.39S Lon: 25.34E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ	63	170	IP			13	0	7.35	-0.70						1.0
SOOWABZ	129	45	IP			13	0	18.11	-0.67						1.0
SOOWABE	129	45	IS			13	0	34.60	0.38						1.0
BROLNBZ	210	82	IP			13	0	29.71	0.20						1.0
BROLNBN	210	82	IS			13	0	52.55	-0.34						1.0
BROLNBN	210	82	IAML			13	0	54.19		25	0.4				
LPHEPBZ	225	166	IP			13	0	32.00	0.57						1.0
MREMIBZ	254	121	IP			13	0	35.64	0.63						1.0
MREMIBE	254	121	IS			13	1	2.39	-0.07						1.0
MREMIBE	254	121	IAML			13	1	10.29		43	0.2				

**September 18 2020 Hour: 13:25 49.1 Lat: 25.51S Lon: 29.08E D:256.7 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	366	333	IP			1326	44.65	0.90							1.0
MREMIBN	366	333	IS			1327	23.68	-0.52							1.0
MREMIBN	366	333	IAML			1327	44.53		58	0.3					
MAKGRBZ	431	265	IP			1326	49.55	-0.82							1.0
MAKGRBN	431	265	IS			1327	36.20	0.47							1.0
MAKGRBN	431	265	IAML			1327	46.42		51	0.5					
BROLNBZ	520	340	IP			1326	59.70	-0.08							1.0
BROLNBN	520	340	IS			1327	52.13	0.04							1.0
BROLNBE	520	340	IAML			1328	22.89		11	0.9					

**September 18 2020 Hour: 15:12 37.4 Lat: 23.57S Lon: 26.05E D: 67.0 Ag: BGS Local**  
**Magnitudes: 2.0ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	30	319	IP			1512	47.41	-0.13							1.0
LPHEPBE	30	319	IS			1512	55.20	0.15							1.0
LPHEPBE	30	319	IAML			1513	2.04		22	0.3					
MREMIBZ	181	53	IP			1513	1.88	-1.11							1.0
MREMIBN	181	53	IS			1513	22.19	0.25							1.0



MREMIBE	181	53	IAML	1513	25.96				129	0.3									
SKOMABZ	240	244	IP	1513	10.16	0.10													1.0
SKOMABN	240	244	IS	1513	33.85	-0.39													1.0
SKOMABE	240	244	IAML	1513	46.89				20	0.3									
MAKGRBZ	279	207	IP	1513	15.34	0.52													1.0
BROLNBZ	303	26	IP	1513	18.37	0.63													1.0
BROLNBE	303	26	IAML	1514	8.00				12	0.3									

**September 18 2020 Hour: 15:30 31.3 Lat: 24.73S Lon: 24.27E D: 85.0 Ag: BGS Local**  
**Magnitudes: 2.2ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SKOMABZ		41	305	IP		1530	44.11	0.12							1.0
SKOMABE		41	305	IAML		1531	0.90		107	0.8					
MAKGRBZ		131	156	IP		1530	52.08	0.08							1.0
MAKGRBE		131	156	IAML		1531	16.61		66	0.5					
LPHEPBZ		222	47	IP		1531	1.24	-0.93							1.0
LKGWBBZ		317	282	IP		1531	13.16	-0.15							1.0
LKGWBBN		317	282	IAML		1532	9.62		16	0.6					
BROLNBZ		510	39	IP		1531	36.95	0.88							1.0

**September 18 2020 Hour: 15:30 29.3 Lat: 24.59S Lon: 24.45E D: 107.8 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SKOMABZ		53	279	IP		1530	44.86	-0.16							1.0
SKOMABE		53	279	IAML		1531	0.93		107	0.8					
MAKGRBZ		140	165	IP		1530	51.57	-0.60							1.0
MAKGRBE		140	165	IAML		1531	16.60		65	0.5					
PHPENBZ		188	238	IP		1530	58.37	1.20							1.0
LPHEPBZ		198	47	IP		1530	58.61	0.34							1.0
LKGWBBZ		332	279	IP		1531	12.68	-0.78							1.0

**September 18 2020 Hour: 16:28 15.6 Lat: 34.31N Lon: 24.60E D: 0.2 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
XAUDMBZ		5854	184	IP		1637	30.89	-0.64							1.0
QNGWABZ		5965	184	IP		1637	39.12	0.28							1.0
SOOWABZ		6070	178	IP		1637	45.42	-0.33							1.0
BROLNBZ		6134	177	IP		1637	49.53	-0.39							1.0
GRTLGBZ		6167	184	IP		1637	53.10	1.05							1.0
KHWEEBZ		6222	179	IP		1637	56.38	0.81							1.0
MREMIBZ		6297	177	IP		1638	0.22	-0.17							1.0
KOOLEBZ		6354	185	IP	D	1638	4.06	-0.02							1.0
LPHEPBZ		6379	179	IP		1638	6.25	0.62							1.0
LKGWBBZ		6471	184	IP	D	1638	10.64	-0.80							1.0
SKOMABZ		6506	181	IP		1638	13.10	-0.50							1.0
MAKGRBZ		6649	180	IP		1638	22.70	0.15							1.0

**September 18 2020 Hour: 16:28 2.2 Lat: 36.19N Lon: 25.31E D: 0.1 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
XAUDMBZ		6066	185	IP	D	1637	31.77	-0.31							1.0
QNGWABZ		6176	185	IP		1637	38.74	-0.51							1.0
SOOWABZ		6276	179	IP		1637	46.67	1.03							1.0
BROLNBZ		6338	178	IP		1637	49.21	-0.42							1.0
GRTLGBZ		6378	185	IP		1637	53.01	0.81							1.0
MREMIBZ		6501	178	IP		1637	59.35	-0.56							1.0
KOOLEBZ		6566	185	IP		1638	4.42	0.38							1.0
LPHEPBZ		6585	179	IP		1638	5.38	0.20							1.0
LKGWBBZ		6682	184	IP		1638	10.45	-0.74							1.0
SKOMABZ		6714	181	IP	D	1638	13.30	0.16							1.0
MAKGRBZ		6856	181	IP	D	1638	21.86	0.02							1.0



**September 18 2020 Hour: 21:43 42.3 Lat: 0.41S Lon: 29.47W D: 0.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
XAUDMBZ	5900	113	IP		2153	1.30	0.17							1.0
QNGWABZ	5911	114	IP		2153	1.87	0.04							1.0
KOOLEBZ	5921	119	IP		2153	2.43	-0.11							1.0
GRTLGBZ	5969	116	IP		2153	5.80	0.10							1.0
GMAREBZ	6007	114	IP		2153	8.62	0.43							1.0
PHPENBZ	6263	121	IP		2153	24.93	0.15							1.0
KSANEBZ	6277	111	IP		2153	24.93	-0.74							1.0
SKOMABZ	6335	119	IP		2153	28.87	-0.52							1.0
KHWEEBZ	6409	116	IP		2153	34.49	0.39							1.0
SOOWABZ	6451	114	IP		2153	36.18	-0.55							1.0
LPHEPBZ	6489	117	IP		2153	38.43	-0.74							1.0
BROLNBZ	6577	114	IP		2153	45.18	0.50							1.0
MREMIBZ	6626	116	IP		2153	48.55	0.88							1.0

**September 19 2020 Hour: 11:42 45.5 Lat: 24.01S Lon: 27.70E D: 0.0 Ag: BGS Local**  
**Magnitudes: 1.9ML BGS Rms: 1.0 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	162	351	IP		1143	9.98	-1.23							1.0
MREMI	162	351	IAML		1143	26.30			62	0.3				
LPHEPBZ	201	291	IP		1143	17.42	1.36							1.0
LPHEPBN	201	291	IS		1143	37.91	-0.74							1.0
LPHEPBE	201	291	IAML		1143	44.67			14	0.6				
BROLNBZ	325	353	IP		1143	31.29	-0.17							1.0
BROLNBE	325	353	IS		1144	6.22	0.79							1.0
BROLNBE	325	353	IAML		1144	10.75			4	0.3				

**September 19 2020 Hour: 14:46 33.1 Lat: 25.24S Lon: 28.88E D: 0.1 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.9 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	330	333	IP		1447	19.17	-0.40							1.0
LPHEPBZ	370	304	IP		1447	24.00	-0.62							1.0
LPHEPBN	370	304	IS		1448	1.84	-0.93							1.0
LPHEPBE	370	304	IAML		1448	17.28			22	0.6				
MAKGRBZ	415	260	IP		1447	31.10	0.95							1.0
MAKGRBN	415	260	IS		1448	12.66	0.27							1.0
MAKGRBN	415	260	IAML		1448	20.44			77	0.5				
BROLNBZ	485	341	IP		1447	37.73	-0.97							1.0
BROLNBE	485	341	IS		1448	28.97	1.70							1.0
BROLNBN	485	341	IAML		1448	51.42			9	0.5				

**September 19 2020 Hour: 21:9 39.9 Lat: 37.66S Lon: 76.13E D: 0.1 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	4918	276	IP		2117	51.41	0.25							1.0
MAKGRBZ	4973	270	IP		2117	54.66	-0.46							1.0
LPHEPBZ	5013	274	IP		2117	58.79	0.83							1.0
BROLNBZ	5014	277	IP		2117	58.20	0.12							1.0
KHWEEBZ	5130	275	IP		2118	5.16	-1.18							1.0
SOOWABZ	5144	277	IP		2118	7.94	0.63							1.0
PHPENBZ	5162	269	IP		2118	8.24	-0.36							1.0
KSANEBZ	5406	280	IP		2118	25.06	-0.66							1.0
KOOLEBZ	5533	270	IP		2118	34.80	0.31							1.0
GRTLGBZ	5536	273	IP		2118	35.10	0.39							1.0
QNGWABZ	5649	275	IP		2118	42.48	0.11							1.0
XAUDMBZ	5694	276	IP		2118	45.43	-0.05							1.0



**September 20 2020 Hour: 4:14 57.3 Lat: 27.15S Lon: 27.04E D: 23.0 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.5 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ	268	303	IP		415	33.92	0.03							1.0
MAKGRBN	268	303	IS		416	0.73	-0.26							1.0
MAKGRBN	268	303	IAML		416	3.13		251	0.6					
SKOMABZ	426	312	IP		415	54.46	0.93							1.0
SKOMABN	426	312	IS		416	34.91	-0.25							1.0
SKOMABE	426	312	IAML		416	49.84		16	0.3					
LPHEPBZ	436	344	IP		415	54.89	0.24							1.0
KHWEEBZ	598	344	IP		416	14.06	-0.29							1.0
BROLNBZ	670	3	IP		416	22.23	-0.88							1.0
BROLNBE	670	3	IS		417	27.10	0.47							1.0
BROLNBN	670	3	IAML		417	56.99		2	0.4					

**September 21 2020 Hour: 15:56 5.4 Lat: 18.13S Lon: 26.39E D: 31.8 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.8 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	135	286	IP		1556	24.88	-0.13							1.0
SOOWABZ	270	184	IP		1556	40.98	-0.76							1.0
SOOWABE	270	184	IS		1557	9.24	0.64							1.0
SOOWABE	270	184	IAML		1557	12.41		201	0.6					
BROLNBZ	343	163	IP		1556	51.96	1.07							1.0
BROLNBE	343	163	IS		1557	23.70	-0.82							1.0
BROLNBE	343	163	IAML		1557	32.18		15	0.6					

**September 22 2020 Hour: 11:44 49.8 Lat: 23.67S Lon: 27.52E D: 0.0 Ag: BGS Local**  
**Magnitudes: 1.9ML BGS Rms: 0.6 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	123	357	IP		1145	9.31	-0.24							1.0
MREMIBE	123	357	IS		1145	23.50	-0.67							1.0
MREMIBE	123	357	IAML		1145	28.48		104	0.4					
LPHEPBZ	173	281	IP		1145	16.08	-0.72							1.0
LPHEPBN	173	281	IS		1145	37.20	0.41							1.0
LPHEPBE	173	281	IAML		1145	41.66		20	0.5					
BROLNBZ	286	356	IP		1145	31.22	0.40							1.0
BROLNBE	286	356	IS		1146	2.00	0.82							1.0
BROLNBE	286	356	IAML		1146	11.55		6	0.6					

**September 23 2020 Hour: 9:57 33.1 Lat: 25.52S Lon: 29.95E D:201.1 Ag: BGS Local**  
**Magnitudes: 3.1ML BGS Rms: 0.6 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ	414	321	IP		958	29.85	0.09							1.0
MAKGRBZ	518	265	IP		958	42.11	0.84							1.0
MAKGRBE	518	265	IS		959	31.18	-0.53							1.0
MAKGRBN	518	265	IAML		959	39.91		138	0.5					
BROLNBZ	558	331	IP		958	44.70	-0.99							1.0
BROLNBE	558	331	IS		959	39.91	0.51							1.0
BROLNBE	558	331	IAML		10 0	25.16		20	0.6					
SKOMABZ	618	279	IP		958	52.55	0.08							1.0

**September 23 2020 Hour: 9:57 39.6 Lat: 26.13S Lon: 29.26E D: 68.1 Ag: BGS Local**  
**Magnitudes: 2.8ML BGS Rms: 0.5 secs**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LBTB BZ	388	288	IP		958	30.68	0.42							1.0
LBTB BN	388	288	IS		959	7.43	-0.30							1.0
LBTB BN	388	288	IAML		959	22.64		78	0.6					
MREMIBZ	435	335	IP		958	36.52	0.60							1.0
MREMIBN	435	335	IS		959	18.37	0.80							1.0
MREMIBN	435	335	IAML		959	42.21		65	0.3					
MAKGRBZ	448	274	IP		958	37.57	0.13							1.0
MAKGRBE	448	274	IS		959	20.00	-0.23							1.0
MAKGRBN	448	274	IAML		959	39.93		136	0.5					



LPHEPBZ	461	311	IP	958	38.60-0.33												1.0
LPHEPBE	461	311	IS	959	23.04 0.22												1.0
LPHEPBE	461	311	IAML	959	44.99				21	0.6							
BROLNBZ	591	340	IP	958	53.35-0.88												1.0
BROLNBE	591	340	IS	959	48.88-0.56												1.0
BROLNBN	591	340	IAML	10 0	24.48				9	0.8							
BOSA BZ	482	234	IP	958	41.61 0.13												1.0

**September 23 2020 Hour: 13:35 50.8 Lat: 27.68S Lon: 23.10E D: 23.9 Ag: BGS Local**  
**Magnitudes: 1.9ML BGS Rms: 1.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BOSA	BZ	235	117	IP		1336	21.68-1.62								1.0
BOSA	BN	235	117	IS		1336	48.30 0.93								1.0
BOSA	BN	235	117	IAML		1336	57.64		17	0.4					
SKOMABZ	361	13	IP		1336	38.85-0.00									1.0
LBTB	BZ	386	41	IP		1336	43.68 1.62								1.0
LBTB	SZ	386	41	IS		1337	19.10-0.93								1.0

**September 23 2020 Hour: 14:45 51.0 Lat: 28.65S Lon: 22.63E D: 31.1 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BOSA	BZ	257	90	IP		1446	25.13 0.08								1.0
BOSA	BE	257	90	IS		1446	50.05-0.16								1.0
BOSA	BN	257	90	IAML		1446	51.97		28	0.6					
PHPENBZ	352	4	IP		1446	36.50-0.39									1.0
PHPENBE	352	4	IAML		1447	15.35			84	0.4					
MAKGRBZ	381	35	IP		1446	40.19-0.22									1.0
MAKGRBE	381	35	IAML		1447	21.87			38	0.5					
SKOMABZ	476	16	IP		1446	52.10 0.18									1.0
LBTB	BZ	499	37	IP		1446	55.22 0.50								1.0
LBTB	SZ	499	37	IAML		1447	50.90		10	0.4					

**September 23 2020 Hour: 17:12 46.1 Lat: 22.38S Lon: 25.01E D: 0.0 Ag: BGS Local**  
**Magnitudes: 1.7ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ	66	43	IP		1712	55.71-0.97									1.0
LPHEPBZ	139	142	IP		1713	8.07-0.49									1.0
LPHEPBE	139	142	IS		1713	25.08-0.11									1.0
LPHEPBN	139	142	IAML		1713	33.65			6	0.4					
MREMIBZ	251	95	IP		1713	22.06-0.79									1.0
MREMIBN	251	95	IS		1713	50.74 0.68									1.0
MREMIBE	251	95	IAML		1714	0.71			29	0.3					
SKOMABZ	261	205	IP		1713	24.55 0.51									1.0
SKOMABE	261	205	IS		1713	52.10-0.02									1.0
SKOMABE	261	205	IAML		1714	3.09			13	0.4					
BROLNBZ	279	60	IP		1713	27.18 0.90									1.0
BROLNBN	279	60	IS		1713	56.30 0.28									1.0
BROLNBN	279	60	IAML		1714	10.73			8	0.3					

**September 24 2020 Hour: 9:37 35.6 Lat: 23.20S Lon: 23.92E D:484.7 Ag: BGS Local**  
**Magnitudes: 3.0ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	200	96	IP		938	39.74 0.96									1.0
LPHEPBN	200	96	IS		939	25.02-0.55									1.0
LPHEPBE	200	96	IAML		939	44.05			12	0.4					
LKGWBBN	293	249	IAML		941	20.94			26	0.7					
MAKGRBZ	303	163	IP		938	44.19-0.27									1.0
MAKGRBN	303	163	IS		939	35.61 0.16									1.0
MAKGRBN	303	163	IAML		939	38.69			1038	0.5					
BROLNBZ	422	57	IP		938	52.28-0.69									1.0
BROLNBE	422	57	IS		939	50.65 0.39									1.0
BROLNBE	422	57	IAML		940	18.57			12	0.8					



**September 24 2020 Hour: 9:37 39.8 Lat: 25.76S Lon: 29.58E D:105.0 Ag: BGS Local**  
**Magnitudes: 2.3ML BGS Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LBTB	BZ	409	281	IP		938	33.28	0.38							1.0
LBTB	BN	409	281	IS		939	12.02	-0.13							1.0
LBTB	BE	409	281	IAML		939	23.26		17	0.4					
BOSA	BZ	533	233	IP		938	47.26	-0.13							1.0
BOSA	BN	533	233	IS		939	37.38	0.00							1.0
BOSA	BN	533	233	IAML		939	49.73		9	0.4					
BROLNBZ		564	336	IP		938	50.97	-0.12							1.0

**September 24 2020 Hour: 13: 8 9.2 Lat: 24.60S Lon: 24.45E D:123.1 Ag: BGS Local**  
**Magnitudes: 1.6ML BGS Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SKOMABZ		54	280	IP		13 8	27.33	0.79							1.0
PHPENBZ		188	239	IP		13 8	37.01	-0.80							1.0
LPHEPBZ		198	46	IP		13 8	40.22	1.29							1.0
LPHEPBN		198	46	IS		13 8	59.82	-1.12							1.0
LPHEPBN		198	46	IAML		13 9	7.10		8	0.4					
LKGWBBZ		333	279	IP		13 8	53.63	-0.16							1.0

**September 24 2020 Hour: 13:56 30.3 Lat: 21.30S Lon: 25.40E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.6ML BGS Rms: 0.7 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		71	176	IP		1356	41.12	-0.68							1.0
KHWEEBN		71	176	IS		1356	49.51	-0.82							1.0
KHWEEBN		71	176	IAML		1356	52.91		362	0.4					
SOOWABZ		118	46	IP		1356	48.85	-0.50							1.0
SOOWABE		118	46	IS		1357	2.96	-0.49							1.0
SOOWABN		118	46	IAML		1357	4.54		148	0.4					
BROLNBZ		202	84	IP		1357	1.98	1.03							1.0
BROLNBN		202	84	IS		1357	23.71	0.06							1.0
BROLNBN		202	84	IAML		1357	27.57		46	0.4					
LPHEPBZ		233	168	IP		1357	5.81	1.04							1.0
LPHEPBN		233	168	IS		1357	30.67	0.37							1.0
LPHEPBE		233	168	IAML		1357	38.64		199	0.3					

**September 24 2020 Hour: 13:56 28.4 Lat: 21.27S Lon: 25.27E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KHWEEBZ		77	166	IP		1356	40.87	0.06							1.0
KHWEEBN		77	166	IS		1356	49.64	-0.33							1.0
KHWEEBE		77	166	IAML		1356	56.00		453	0.2					
SOOWABZ		126	52	IP		1356	48.96	0.15							1.0
SOOWABE		126	52	IS		1357	3.28	-0.61							1.0
SOOWABN		126	52	IAML		1357	4.60		146	0.3					
BROLNBZ		215	85	IP		1357	1.81	1.07							1.0
BROLNBE		215	85	IS		1357	24.53	-0.12							1.0
BROLNBN		215	85	IAML		1357	27.58		47	0.3					
LPHEPBE		239	165	IAML		1357	38.69		20	0.3					
GRTLGBZ		420	268	IP		1357	25.99	-0.23							1.0

**September 24 2020 Hour: 20: 4 48.9 Lat: 24.73S Lon: 28.08E D: 79.8 Ag: BGS Local**  
**Magnitudes: 2.7ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		272	303	IP		20 5	25.95	0.38							1.0
MAKGRBZ		351	249	IP		20 5	35.15	0.18							1.0
MAKGRBN		351	249	IS		20 6	8.58	-0.51							1.0
MAKGRBN		351	249	IAML		20 6	12.16		120	0.7					
BROLNBZ		409	349	IP		20 5	41.23	-0.49							1.0
SKOMABZ		421	272	IP		20 5	43.53	0.45							1.0
SKOMABE		421	272	IAML		20 6	54.11		19	0.2					
PHPENBZ		533	260	IP		20 5	56.34	-0.00							1.0



**September 25 2020 Hour: 5:58 52.3 Lat: 79.76N Lon: 135.28E D: 0.1 Ag: BGS Distant**  
**Rms: 0.9 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ	12590	285	IP			617	31.76	-0.46							1.0
BROLNBZ	12627	284	IP			617	32.28	-0.60							1.0
GRTLGBZ	12772	290	IP			617	34.25	-1.15							1.0
LPHEPBZ	12901	285	IP			617	38.71	1.11							1.0
LKGWBBZ	13070	289	IP			617	41.72	1.17							1.0

**September 25 2020 Hour: 5:58 45.9 Lat: 84.05N Lon: 148.88W D: 0.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
QNGWABZ	12793	10	IP			617	28.71	-0.70							1.0
SOOWABZ	12914	5	IP			617	31.56	0.08							1.0
BROLNBZ	12975	4	IP			617	31.90	-0.64							1.0
GRTLGBZ	12995	10	IP			617	33.40	0.48							1.0
LPHEPBZ	13223	6	IP			617	37.59	0.77							1.0
LBTB BZ	13405	6	IP			617	39.97	0.01							1.0

**September 25 2020 Hour: 10:48 55.1 Lat: 26.02S Lon: 29.77E D: 0.0 Ag: BGS Local**  
**Magnitudes: 2.5ML BGS Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LBTB BZ	434	284	IP			1049	54.37	-0.26							1.0
LBTB BN	434	284	IS			1050	38.54	-0.11							1.0
LBTB BN	434	284	IAML			1050	48.35		29	0.5					
MAKGRBZ	499	272	IP			1050	1.43	-1.01							1.0
BOSA BZ	531	236	IP			1050	6.46	0.06							1.0
BOSA BE	531	236	IS			1050	59.83	0.70							1.0
BOSA BN	531	236	IAML			1051	11.24		16	0.4					
BROLNBZ	599	335	IP			1050	14.84	0.22							1.0
BROLNBE	599	335	IS			1051	13.85	0.41							1.0

**September 25 2020 Hour: 10:57 15.0 Lat: 32.76N Lon: 78.68E D: 0.1 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ	7976	234	IP			11 8	39.53	0.27							1.0
BROLNBZ	8076	230	IP			11 8	44.47	-0.13							1.0
MREMIBZ	8186	229	IP			11 8	50.15	-0.26							1.0
KHWEEBZ	8279	231	IP			11 8	55.09	-0.27							1.0
LPHEPBZ	8362	229	IP			11 9	0.03	0.40							1.0
QNGWABZ	8412	235	IP			11 9	2.00	-0.33							1.0
LBTB BZ	8512	228	IP			11 9	7.68	0.36							1.0
LBTB SZ	8512	228	IP			11 9	7.68								
GRTLGBZ	8547	234	IP			11 9	9.41	0.19							1.0
SKOMABZ	8590	230	IP			11 9	11.14	-0.16							1.0
MAKGRBZ	8631	228	IP			11 9	13.37	0.01							1.0
KOOLEBZ	8747	233	IP			11 9	19.29	0.05							1.0
BOSA BZ	8824	226	IP			11 9	22.75	-0.12							1.0

**September 26 2020 Hour: 11:38 56.0 Lat: 23.78S Lon: 27.40E D: 29.5 Ag: BGS Local**  
**Magnitudes: 2.4ML BGS Rms: 0.1 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ	163	286	IP			1139	19.29	0.08							1.0
LPHEPBE	163	286	IS			1139	36.28	-0.11							1.0
LPHEPBN	163	286	IAML			1139	45.18		46	0.4					
KHWEEBZ	285	315	IP			1139	34.50	0.18							1.0
KHWEEBE	285	315	IS			1140	2.67	-0.02							1.0
KHWEEBN	285	315	IAML			1140	11.80		129	0.4					
BROLNBZ	297	359	IP			1139	35.59	-0.21							1.0
BROLNBE	297	359	IS			1140	5.34	0.08							1.0
BROLNBE	297	359	IAML			1140	23.56		22	0.6					



**September 26 2020 Hour: 17:10 16.5 Lat: 48.30S Lon: 31.62E D: 0.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		2565	344	IP		1715	23.68	-0.07							1.0
SKOMABZ		2723	343	IP		1715	38.04	0.56							1.0
LPHEPBZ		2812	348	IP		1715	45.22	0.46							1.0
LKGWBBZ		2834	337	IP		1715	46.02	-0.61							1.0
KOOLEBZ		2983	336	IP		1715	58.78	0.02							1.0
BROLNBZ		3040	351	IP		1716	3.57	0.26							1.0
SOOWABZ		3113	349	IP		1716	8.00	-1.17							1.0
GRTLGBZ		3128	339	IP		1716	10.75	0.34							1.0
KSANEBZ		3431	348	IP		1716	34.68	0.12							1.0

**September 26 2020 Hour: 17:10 16.5 Lat: 48.52S Lon: 32.09E D: 0.0 Ag: BGS Distant**  
**Rms: 0.5 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MAKGRBZ		2597	343	IP		1715	26.79	-0.04							1.0
PHPENBZ		2679	339	IP		1715	32.93	-0.97							1.0
SKOMABZ		2756	342	IP		1715	41.25	1.07							1.0
LPHEPBZ		2843	347	IP		1715	47.20	-0.08							1.0
MREMIBZ		2906	350	IP		1715	52.94	0.51							1.0
KHWEEBZ		3004	346	IP		1716	0.47	0.04							1.0
KOOLEBZ		3019	335	IP		1716	1.86	0.20							1.0
BROLNBZ		3069	350	IP		1716	5.03	-0.61							1.0
SOOWABZ		3143	348	IP		1716	11.57	-0.01							1.0
GRTLGBZ		3162	338	IP		1716	13.15	-0.04							1.0
KSANEBZ		3461	347	IP		1716	36.92	-0.06							1.0

**September 26 2020 Hour: 22:51 58.9 Lat: 34.70N Lon: 24.44E D:638.6 Ag: BGS Distant**  
**Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
XAUDMBZ		5896	184	IP		23 0	17.65	-0.91							1.0
SOOWABZ		6114	178	IP		23 0	32.00	-0.19							1.0
BROLNBZ		6178	177	IP		23 0	36.48	0.31							1.0
GRTLGBZ		6209	184	IP		23 0	39.17	1.07							1.0
KOOLEBZ		6396	185	IP		23 0	49.93	0.39							1.0
LPHEPBZ		6423	178	IP		23 0	51.72	0.61							1.0
LKGWBBZ		6513	183	IP	D	23 0	56.65	0.08							1.0
SKOMABZ		6549	181	IP	D	23 0	57.99	-0.69							1.0
PHPENBZ		6657	182	IP		23 1	4.72	-0.39							1.0
MAKGRBZ		6692	180	IP		23 1	6.96	-0.25							1.0

**September 26 2020 Hour: 22:50 25.2 Lat: 39.80N Lon: 24.11E D: 0.0 Ag: BGS Distant**  
**Rms: 0.2 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KSANEBZ		6370	179	IP		23 0	14.69	-0.01							1.0
QNGWABZ		6568	183	IP		23 0	27.03	-0.10							1.0
SOOWABZ		6679	178	IP		23 0	34.34	0.37							1.0
BROLNBZ		6743	177	IP		23 0	37.42	-0.51							1.0
GRTLGBZ		6770	183	IP		23 0	39.70	0.08							1.0
MREMIBZ		6906	177	IP		23 0	47.98	0.17							1.0
KOOLEBZ		6956	184	IP		23 0	50.90	0.01							1.0
LPHEPBZ		6987	178	IP		23 0	52.85	0.13							1.0
SKOMABZ		7112	180	IP		23 0	60.00	-0.16							1.0

**September 27 2020 Hour: 4:13 20.4 Lat: 77.38N Lon: 131.52E D: 0.8 Ag: BGS Distant**  
**Rms: 1.1 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ12568		280	IP			431	58.37	-1.50							1.0
QNGWABZ12577		286	IP			431	58.46	-1.59							1.0
KHWEEBZ12735		281	IP			432	1.55	-1.23							1.0
MREMIBZ12754		279	IP			432	1.84	-1.24							1.0
GRTLGBZ12773		285	IP			432	3.27	-0.18							1.0



LPHEPBZ12877	280	IP	432	5.43	0.21												1.0
KOOLEBZ12972	286	IP	432	8.16	1.25												1.0
SKOMABZ13047	282	IP	432	9.02	0.87												1.0
LBTB SZ13061	280	IP	432	9.30	0.91												1.0
LBTB BZ13061	280	IP	432	9.30													1.0
MAKGRBZ13166	280	IP	432	11.46	1.24												1.0
PHPENBZ13176	282	IP	432	10.96	0.58												1.0
BOSA BZ13455	279	IP	432	15.91	0.70												1.0

**September 27 2020 Hour: 11:43 26.0 Lat: 23.58S Lon: 27.47E D: 0.0 Ag: BGS Local**  
**Magnitudes: 1.8ML BGS Rms: 0.6 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MREMIBZ		112	359	IP		1143	43.88	-0.25							1.0
MREMIBE		112	359	IS		1143	58.09	0.55							1.0
MREMIBE		112	359	IAML		1143	59.68			79	0.4				
LPHEPBZ		166	278	IP		1143	51.35	-0.83							1.0
LPHEPBN		166	278	IS		1144	11.57	0.02							1.0
LPHEPBE		166	278	IAML		1144	16.21			14	0.4				
LBTB BZ		247	230	IP		1144	3.29	1.02							1.0
LBTB BN		247	230	IS		1144	29.10	-0.01							1.0
LBTB BN		247	230	IAML		1144	32.76			9	0.3				
BROLNBZ		275	357	IP		1144	4.80	-0.97							1.0
BROLNBE		275	357	IS		1144	35.67	0.47							1.0
BROLNBE		275	357	IAML		1144	46.14			9	0.4				

**September 28 2020 Hour: 8:46 36.7 Lat: 60.15S Lon: 29.42W D: 0.7 Ag: BGS Distant**  
**Rms: 0.1 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BOSA BZ		5350	74	IP		855	18.50	-0.06							1.0
LBTB BZ		5704	72	IP		855	43.12	0.24							1.0
LPHEPBZ		5874	71	IP		855	54.08	-0.20							1.0
QNGWABZ		6000	64	IP		856	2.68	0.00							1.0
BROLNBZ		6166	71	IP		856	13.56	0.02							1.0

**September 28 2020 Hour: 11: 8 17.2 Lat: 25.46S Lon: 29.69E D: 59.6 Ag: BGS Regional**  
**Magnitudes: 3.0ML BGS Rms: 1.0 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LBTB BZ		415	276	IP		11 9	9.34	-1.68							1.0
LBTB BN		415	276	IS		11 9	52.51	1.65							1.0
LBTB BN		415	276	IAML		11 9	59.64			138	0.6				
LPHEPBZ		453	300	IP		11 9	16.95	1.42							1.0
LPHEPBE		453	300	IS		11 9	57.61	-1.09							1.0
LPHEPBN		453	300	IAML		1110	16.81			40	0.5				
MAKGRBZ		493	264	IP		11 9	19.70	-0.69							1.0
MAKGRBN		493	264	IS		1110	7.08	-0.09							1.0
MAKGRBE		493	264	IAML		1110	14.70			270	0.4				
BROLNBZ		539	333	IP		11 9	26.99	1.00							1.0
BROLNBE		539	333	IS		1110	15.92	-0.98							1.0
BROLNBN		539	333	IAML		1110	52.36			12	0.7				
BOSA BZ		562	231	IP		11 9	28.33	-0.32							1.0
BOSA BN		562	231	IS		1110	21.69	0.16							1.0
BOSA BN		562	231	IAML		1110	27.15			42	0.5				
SOOWABZ		648	326	IP		11 9	39.22	0.43							1.0
SOOWABE		648	326	IS		1110	39.38	0.20							1.0
SOOWABN		648	326	IAML		1111	24.93			59	0.5				

**September 28 2020 Hour: 14: 3 50.7 Lat: 21.16S Lon: 25.33E D: 0.0 Ag: BGS Regional**  
**Magnitudes: 1.8ML BGS Rms: 0.4 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOOWABZ		113	55	IP		14 4	9.21	0.29							1.0
SOOWABN		113	55	IS		14 4	22.28	-0.12							1.0
SOOWABN		113	55	IAML		14 4	37.25			35	0.8				
BROLNBZ		208	89	IP		14 4	22.28	0.21							1.0
BROLNBN		208	89	IS		14 4	45.22	-0.06							1.0



BROLNBN	208	89	IAML	14	4	49.24		13	0.5	
LPHEPBZ	250	168	IP	14	4	26.57-0.79				1.0
LPHEPBE	250	168	IS	14	4	54.18-0.30				1.0
LPHEPBE	250	168	IAML	14	4	56.11		7	0.8	
LBTB BZ	428	176	IP	14	4	49.44-0.01				1.0
LBTB BN	428	176	IS	14	5	33.70 0.78				1.0
LBTB BN	428	176	IAML	14	5	45.36		12	0.8	

**September 29 2020 Hour: 11:46 26.9 Lat: 23.15S Lon: 25.71E D:219.6 Ag: BGS Local  
Magnitudes: 2.1ML BGS Rms: 0.1 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LPHEPBZ		28	148	IP		1146	54.55	0.16							1.0
LPHEPBN		28	148	IS		1147	14.68-0.09								1.0
LPHEPBE		28	148	IAML		1147	19.39		34	0.6					
LBTB BZ		207	183	IP		1147	4.02-0.20								1.0
LBTB BN		207	183	IS		1147	31.97 0.11								1.0
LBTB BN		207	183	IAML		1147	35.54		13	0.4					
BROLNBZ		282	37	IP		1147	10.95 0.04								1.0
BROLNBE		282	37	IS		1147	43.48-0.02								1.0
BROLNBE		282	37	IAML		1147	48.51		12	0.7					

**September 30 2020 Hour: 14: 8 17.1 Lat: 28.12S Lon: 22.32E D: 31.1 Ag: BGS Local  
Rms: 2.3 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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