

Monthly Seismological Bulletin

from the

National Center For Seismology

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Ministry of Earth Sciences
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INDIA

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GENERAL INFORMATION

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 distant events.

The general model used for all local and regional events,

P-wave velocity (km/sec)	depth to top of layer (km)
5.78	0.0
6.58	20.0
8.19	38.7
8.30	100.0

The coda magnitude formula given by :

$$M_c = -0.567 + 1.38 \log_{10}(T) + 0.0026 * D$$

where T is the coda duration (sec) and D is the epicentral distance (km).

If instrument corrected maximum ground amplitudes A(nm) are available, local magnitude (M_l) is calculated using the following formula (Alsaker et al., 1991):

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

where D is the hypocentral distance (km).

The crustal velocity model used for DELHI REGION is:

P-wave velocity (km/sec)	depth to top of layer (km)
5.72	0.0
6.61	24.0
8.22	45.0

The coda magnitude formula for KOYNA REGION is given by :

$$M_c = -3.24 + 3.27 \log_{10}(T) + 0.001 * D$$

The coda magnitude formula for GUJARAT REGION is given by :

$$M_c = -0.713 + 1.69 \log_{10}(T) + 0.0031 * D$$

The crustal velocity model used for CHAMOLI REGION (Uttrakhand) is:

P-wave velocity (km/sec)	depth to top of layer (km)
3.5	0.0
5.0	0.4
5.2	1.4
6.0	16.4
8.33	46.4

The coda magnitude formula for CHAMOLI REGION given by :

$$M_c = -2.440 + 2.61 \log_{10}(T) + 0.000 * D$$

The V_p/V_s velocity ratio used in all the crustal velocity models referred above is 1.73.

LIST OF SEISMOLOGICAL STATIONS:

The stations listed below are those operated by the National Center for Seismology, Ministry of Earth Sciences, New Delhi

STATION	LATITUDE	LONGITUDE	HEIGHT(m)	NAME
AGRA	27.1392N	78.0072E	160	AGRA
AGT	23.8889N	91.2463E	18	AGARTALA
AJM	26.4242N	74.6293E	497	AJMER
AKL	20.7018N	77.0146E	307	AKOLA
ALBI	25.3090N	81.8083E	98	ALLAHBAD
ALCI	34.2139N	77.1844E	3135	ALCHI(LEH)
AMRT	31.6459N	74.8570E	212	AMRITSAR
ARIA	26.1353N	87.4658E	51	JOGBANI
ASOR	28.7558N	77.7722E	213	ASAURA
ATP	14.6070N	77.6441E	292	ANANTPUR
AYAN	28.4822N	77.1265E	278	AYANAGAR
AZL	23.7385N	92.6896E	985	AIZWAL
BANG	13.0211N	77.5704E	832	BANGLORE
BARM	25.7521N	71.4124E	142	BARMER
BELO	23.2413N	91.4471E	24	BELONIA
BHGR	28.6921N	76.9263E	215	BAHADURGARH
BHK	31.3946N	76.3808E	369	BHAKRA
BHPL	23.2413N	77.4242E	473	BHOPAL
BHUJ	23.2541N	69.6540E	56	BHUJ
BHV	21.7502N	72.1455E	42	BHAVNAGAR
BISR	28.5704N	77.4390E	204	BISRAKH
BKNR	28.0206N	73.2771E	236	BIKANER
BLRY	15.2796N	76.3194E	470	BELLARY
BLSP	22.0978N	82.1772E	283	BILASPUR
BNDA	25.4824N	80.3310E	135	BANDA
BOK	23.7947N	85.8859E	209	BOKARO THERMAL
BOM	18.8977N	72.8126E	19	MUMBAI
BRCH	27.5652N	81.6039E	108	BAHRAICH
BSTI	26.7906N	82.4789E	81	BASTI
BWNR	20.2521N	85.8205E	49	BHUBANESHWAR
CAL	22.5359N	88.3311E	21	KOLKATA
CGRH	30.7403N	76.7309E	334	CHANDIGARH
CHAT	29.8839N	79.3489E	1646	CHAUKATIYA
CHT	09.8150N	77.2163E	981	CHOTUPARA
CHUR	28.2834N	74.9591E	254	CHURU
CMBY	07.0191N	93.9265E	18	CAMPBEL BAY
CMPI	23.4951N	93.3103E	1678	CHAMPHAI
CNWR	22.0510N	78.9352E	637	CHHINDWARA
COBR	26.2941N	89.4615E	32	COOCHBEHAR
DDI	30.3222N	78.0541E	642	DEHRADUN
DGPR	13.1763N	92.9340E	9	DIGLIPUR
DHRM	32.2476N	76.3066E	1878	DHARAMSHALA
DHUB	26.0201N	89.9955E	21	DHUBRI
DIBR	27.4675N	94.9111E	68	DIBRUGARH
FBD	28.4146N	77.3132E	149	FARIDABAD
FTGH	27.3972N	79.5735E	138	FARRUKHABAD
GAYA	24.8029N	85.2316E	101	GAYA
GNR	29.1385N	77.0269E	230	GANAUR
GOA	15.4915N	73.8248E	11	GOA
GRKP	26.7381N	83.4386E	63	GORAKHPUR
GTK	27.3191N	88.6018E	1355	GANGTOK
GUNA	24.6492N	77.3320E	505	GUNA
GUWA	26.1933N	91.6915E	88	GUWAHATI
GWAL	26.2110N	78.2022E	165	GWALIOR
HAUL	28.0819N	96.5251E	1250	HAYULIANG
HING	19.6543N	77.0943E	419	HINGOLI

HNLY	32.7784N	78.9730E	4326	HANLEY
HYB	17.4186N	78.5518E	439	HYDERABAD
IMP	24.8311N	93.9465E	802	IMPHAL
INDR	22.5321N	75.9203E	535	IIT INDORE
ITAN	27.1445N	93.7218E	227	ITANAGAR
JASL	26.9244N	70.9031E	262	JAISALMER
JBPL	23.1960N	79.9443E	350	JABALPUR
JDGP	19.0776N	82.0366E	496	JAGDALPUR
JHJR	28.6095N	76.6429E	211	JHAJJAR
JHNI	25.4552N	78.6132E	240	JHANSI
JHSG	21.7609N	83.7730E	226	JHARSUGUDA
JMU	32.7810N	74.8309E	389	JAMMU
JMUI	24.9289N	86.2278E	80	JAMUI
JMUI	28.5618N	77.2821E	215	JAMIA MILLIA ISLAMIA UNIVERSITY
JODH	26.2568N	73.0407E	185	JODHPUR
JORH	26.7428N	94.2511E	85	JORHAT
JOSI	30.5560N	79.5579E	1992	JOSHIMATH
JPG	26.5473N	88.7106E	80	JALPAIGURI
JPR	26.8211N	75.8178E	344	JAIPUR
KAD	17.3076N	74.1835E	590	KARAD
KDGU	12.4859N	75.9089E	798	KODAGU
KKR	29.9614N	76.8207E	250	KURUKSHETRA
KLBG	17.2922N	76.6630E	460	KALABURAGI
KLP	31.5466N	78.2604E	2672	KALPA
KNKR	20.0616N	81.4989E	387	KANKER
KNL	15.7619N	78.0363E	345	KURNOOL
KNTI	23.0585N	85.2854E	642	KHUNTI
KOCH	10.0802N	76.4516E	-78	KOCHI
KOD	10.2317N	77.4667E	2333	KODAIKANAL
KOHI	25.7203N	94.1081E	1355	KOHIMA
KUDL	28.1442N	76.4894E	287	KUNDAL
LATR	18.4104N	76.5332E	639	LATUR
LDR	28.5896N	77.2202E	209	LODIROAD, NEW DELHI
LGTI	29.3990N	80.0879E	1657	LOHAGHAT
LKN	26.7659N	80.8835E	105	LUCKNOW
LKP	27.3328N	95.8461E	143	LEKHAPANI
MDRS	12.9900N	80.1820E	70	CHENNAI
MERT	28.9740N	77.7349E	218	MEERUT
MNCY	08.2815N	73.0587E	2	MINICOY
MNGR	12.8923N	74.8677E	83	MANGALORE
MOKO	26.3209N	94.5156E	1349	MOKOKCHUNG
MUKT	29.4582N	79.6543E	2228	MUKTESHWAR
MUYR	30.0672N	80.2567E	2050	MUNSIYARI
MYSR	12.4100N	76.5744E	701	MYSURU
NASK	20.0299N	73.7983E	555	NASIK
NDI	28.6853N	77.2159E	239	RIDGE DELHI
NGP	21.1699N	79.0508E	360	NAGPUR
NJFR	28.5704N	76.9040E	206	NAJAFGARH
NPL	28.6375N	77.1692E	222	NPL PUSA NEW DELHI
NRDN	22.2742N	76.4783E	286	NARMADANAGAR
NRLA	28.7843N	77.0955E	208	NARELA DELHI
PALG	20.0341N	72.9070E	90	PALGHAR
PASG	28.0614N	95.3260E	173	PASIGHAT
PAWL	28.1074N	77.3317E	189	PALWAL

PBA	11.6557N	92.7439E	18	PORT BLAIR
P00	18.5295N	73.8488E	560	PUNE
PTDI	28.3321N	76.7753E	240	PATAUDI
PTH	29.5856N	80.2040E	1601	PITHORAGARH
RAGD	19.2471N	83.4574E	259	RAYAGADA
RAIP	21.2116N	81.6590E	249	RAIPUR
RAJM	17.0639N	81.8737E	28	RAJAHMUNDRY
RTK	29.0335N	76.4144E	230	ROHTAK
SAIH	22.4893N	92.9875E	729	SAIHA
SALM	11.6562N	78.1568E	318	SALEM
SDNR	31.5304N	76.9058E	927	SUNDERNAGAR
SHBG	25.2327N	87.6332E	49	SAHIBGANJ
SHL	25.5668N	91.8559E	1553	SHILLONG
SILR	24.7813N	92.8003E	21	SILCHAR
SLPR	17.6703N	75.9230E	417	SOLAPUR
SMLA	31.1278N	77.1742E	2130	SHIMLA
SONA	28.2450N	77.0628E	227	SOHNA
SRAT	21.1448N	72.7547E	-45	SURAT
SRGN	29.9225N	73.8864E	187	SRIGANGANAGAR
SRIN	34.0507N	74.8046E	1606	SRINAGAR
STMR	26.7529N	85.2736E	55	SITAMARHI
SUPA	15.2625N	74.5349E	468	UTTAR KANNADA
TAWA	27.5938N	91.8668E	2970	TAWANG
TEZP	26.6168N	92.7888E	80	TEZPUR
THN	32.4408N	75.7575E	627	THEIN DAM
TKD	29.1487N	78.8551E	212	THAKURDWARA
TLWR	31.9559N	75.9559E	473	TALWARA
TPTI	13.7079N	79.5954E	150	IIT TIRUPATI
TRVM	08.5081N	76.9583E	30	THIRUVANTHAPURAM
TSSA	32.8366N	76.1503E	1781	TISSA
TURA	25.5168N	90.2242E	403	TURA
TUTG	28.9936N	94.8920E	533	TUTING
UDMP	32.9135N	75.1245E	1355	UDHAMPUR
UDPR	24.5801N	73.7128E	586	UDAIPUR
UNCH	28.4877N	78.1597E	197	UNCHAGAON
UTK	30.7303N	78.4460E	1150	UTTARKASHI
VAR	25.2680N	82.9919E	91	VARANASI
VISK	17.7218N	83.3297E	13	VISAKHAPATANAM
VJD	16.5161N	80.6458E	35	VIJAYAWADA
VLK	27.4417N	83.9232E	125	VALMIKINAGAR
VRVL	20.9078N	70.3570E	-49	VERAVAL
ZIRO	27.5265N	93.8549E	1604	ZIRO

Abbreviations:

TIME: Origin time in UTC (hr. min. and sec.) or data file onset time if event is not located.
LAT: Latitude of epicenter
LON: Longitude of epicenter
DEPTH: Focal depth in kilometer (trailing F indicates fixed depth)
AGENCY: Hypocenter reporting agency e.g. BER (Bergen), NAO (Norsar)
MAGNITUDES: Up to 3 different magnitudes can be given followed by type and reporting agency, e.g. 3.1 MC BER - coda magnitude calculated in Bergen.
RMS: Root mean square value of travel time residuals
STAT: Station code
CO: Component, S: short period, L: long period, B: broadband,
DIST: Epicenter distance (km)
AZI: Azimuth from source to station
PHAS: Phase; The first letter characterizes onset E(mergent) or I(mpulsive)
P: Polarity (C for compression, D for dilatation)
HR: Hour
MN: Minute
SECON: Seconds
TRES: Residual (seconds)
CODA: Signal duration in seconds
AMPL: Ground Amplitude ($0.5 \times (\text{peak to peak})$), (nm) at period PERI
PERI: Period where amplitude is measured
BAZ: Back azimuth (station to event)
ARES: Back azimuth residual
VELO: Apparent phase velocity (km/sec)
WT: Weight of phase in the location
*: An asterix before the phase arrival time implies a potential timing error. If an S phase is read, differential S-P times will be used in the hypocenter location.

References:

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- Yu, G., Khattri, K.N., Anderson, J.G., Brune, J.N., and Zeng, Y. (1995). Strong ground motion from Uttarkshi, Himalaya, Indian earthquakes: Comparison of observations with synthetics using the composit source model.

December 1 2022 Hour: 0:33 1.3

Ag: NCS Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHL	HZ			EP		0035	10.50								
SHL	HN			ES		0035	59.88								
CMPI	HZ			EP		0034	41.16								
CMPI	HE			ES		0035	09.29								
BOKR	HE			ES		0037	28.64								
BOKR	HZ			EP		0036	05.52								

December 1 2022 Hour: 14:39 24.4 Lat: 20.11N Lon: 73.65E D: 5.0

Ag: NCS Local

Magnitudes: 2.9ML NCS 2.8MW NCS										Rms: 0.2 secs					
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NASK	HZ	18	120	EP		1439	27.72	0.07							1.0
NASK	HE	18	120	ES		1439	30.14	0.11							1.0
NASK	HE	18	120	IAML		1439	48.18			519	0.7				
NASK	HN	18	120	IAML		1439	49.03			397	1.2				
PALG	HZ	78	264	EP		1439	37.85	0.00							1.0
PALG	HE	78	264	ES		1439	47.63	0.06							1.0
PALG	HN	78	264	IAML		1439	49.36			226	0.0				
BOM	BZ	161	213	EP		1439	51.88	0.13							1.0
BOM	BE	161	213	ES		1440	11.78	0.05							1.0
BOM	BN	161	213	IAML		1440	17.55			100	0.5				
P00	HZ	176	173	EP		1439	53.72	0.14							1.0
P00	HN	176	173	ES		1440	14.89	0.01							1.0
P00	HE	176	173	IAML		1440	24.89			117	0.3				
P00	HN	176	173	IAML		1440	27.11			54	0.2				
KAD	BZ	315	170	EP		1440	10.25	0.30							1.0
KAD	BE	315	170	ES		1440	44.34	0.07							1.0
KAD	BN	315	170	IAML		1441	13.61			27	0.4				
KAD	BE	315	170	IAML		1441	14.36			59	0.6				
LATR	BZ	356	121	EP		1440	15.59	0.07							1.0
LATR	BN	356	121	ES		1440	53.38	0.28							1.0
INDR	HE	357	41	ES		1440	53.38	0.26							1.0
INDR	HE	357	41	IAML		1440	58.96			46	0.3				
AKL	BE	357	79	ES		1440	53.38	0.16							1.0
AKL	BE	357	79	IAML		1440	58.45			72	0.3				
INDR	HZ	357	41	EP		1440	15.59	0.08							1.0
AKL	BZ	357	79	EP		1440	15.59	0.14							1.0
SLPR	HZ	361	138	EP		1440	16.41	0.22							1.0
SLPR	HN	361	138	ES		1440	54.20	0.18							1.0
SLPR	HN	361	138	IAML		1441	20.34			60	0.3				
SLPR	HE	361	138	IAML		1441	20.75			45	0.3				
HING	HZ	364	97	EP		1440	16.41	0.20							1.0
HING	HN	364	97	ES		1440	54.61	0.13							1.0
HING	HN	364	97	IAML		1441	09.86			49	0.2				
HING	HE	364	97	IAML		1441	20.61			70	0.5				
HYB	HZ	596	119	EP		1440	44.75	0.22							1.0
HYB	HE	596	119	ES		1441	43.49	0.31							1.0
HYB	HE	596	119	IAML		1442	20.54			24	0.4				
HYB	HN	596	119	IAML		1442	20.63			25	0.5				
BLRY	HZ	605	152	EP		1440	45.98	0.07							1.0
BLRY	HN	605	152	ES		1441	45.54	0.10							1.0
BLRY	HE	605	152	IAML		1442	27.57			59	0.3				
BLRY	HN	605	152	IAML		1442	27.57			46	0.6				
KNL	HZ	669	135	EP		1440	53.79	0.02							1.0
KNL	HN	669	135	ES		1441	58.68	0.34							1.0
KNL	HE	669	135	IAML		1442	43.27			46	0.4				
KNL	HN	669	135	IAML		1442	50.48			53	0.4				

December 1 2022 Hour: 14:47 54.6 Lat: 20.32N Lon: 73.64E D: 3.0F Ag: NCS Local
Magnitudes: 2.9ML NCS 2.8MW NCS Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
NASK	HZ	36	153	EP		1448	00.55	-0.29							1.0
NASK	HN	36	153	ES		1448	04.82	-0.60							1.0
NASK	HE	36	153	IAML		1448	19.76			501	0.7				
NASK	HN	36	153	IAML		1448	25.09			395	1.1				
PALG	HZ	83	248	EP		1448	08.48	-0.39							1.0
PALG	HE	83	248	ES		1448	19.06	-0.26							1.0
PALG	HN	83	248	IAML		1448	19.86			274	0.6				
PALG	HE	83	248	IAML		1448	20.32			243	0.7				
SRAT	HZ	130	315	EP		1448	17.02	-0.08							1.0
SRAT	HE	130	315	ES		1448	33.49	-0.06							1.0
BOM	BZ	180	209	EP		1448	24.86	0.33							1.0
BOM	BN	180	209	ES		1448	46.95	0.55							1.0
BOM	BN	180	209	IAML		1448	49.67			79	0.3				
BOM	BE	180	209	IAML		1448	50.84			7	0.2				
P00	HZ	199	174	EP		1448	27.06	0.25							1.0
P00	HE	199	174	ES		1448	50.52	0.18							1.0
P00	HN	199	174	IAML		1448	55.87			63	0.3				
P00	HE	199	174	IAML		1448	56.52			103	0.3				
KAD	BZ	338	170	EP		1448	43.67	-0.09							1.0
KAD	BE	338	170	ES		1449	19.79	0.11							1.0
KAD	BN	338	170	IAML		1449	45.26			22	0.4				
KAD	BE	338	170	IAML		1449	45.92			52	0.5				
INDR	HZ	340	44	EP		1448	44.21	0.12							1.0
INDR	HN	340	44	ES		1449	20.34	0.10							1.0
INDR	HN	340	44	IAML		1449	25.09								
INDR	HE	340	44	IAML		1449	25.96			45	0.0				
AKL	BZ	354	83	EP		1448	45.85	0.05							1.0
AKL	BE	354	83	ES		1449	23.66	0.46							1.0
AKL	BE	354	83	IAML		1449	25.25			30	0.4				
LATR	BZ	369	124	EP		1448	47.31	-0.38							1.0
LATR	BN	369	124	ES		1449	26.55	0.08							1.0
LATR	BE	369	124	IAML		1449	46.46			32	0.5				
LATR	BN	369	124	IAML		1449	47.24			48	0.8				
SLPR	HZ	379	140	EP		1448	48.79	-0.02							1.0
SLPR	HN	379	140	ES		1449	28.03	-0.37							1.0
SLPR	HN	379	140	IAML		1449	51.90			56	0.2				
SLPR	HE	379	140	IAML		1449	52.34			55	0.2				
SUPA	HZ	567	170	EP		1449	11.74	-0.11							1.0
SUPA	HE	567	170	ES		1450	08.01	-0.25							1.0
CNWR	HZ	582	70	EP		1449	13.22	-0.40							1.0
CNWR	HE	582	70	ES		1450	10.98	-0.35							1.0
CNWR	HN	582	70	IAML		1450	24.13			99	0.0				
CNWR	HE	582	70	IAML		1450	24.27			111	0.0				
HYB	HZ	609	121	EP		1449	16.92	0.04							1.0
HYB	HN	609	121	ES		1450	16.90	-0.07							1.0
HYB	HN	609	121	IAML		1450	52.15			23	0.4				
HYB	HE	609	121	IAML		1450	52.18			23	0.6				
BLRY	HZ	626	153	EP		1449	19.89	1.02							1.0
BLRY	HE	626	153	ES		1450	20.60	0.19							1.0
BLRY	HN	626	153	IAML		1450	55.52			40	0.3				
BLRY	HE	626	153	IAML		1450	55.52			33	0.3				
KNL	HZ	686	137	EP		1449	26.55	0.27							1.0
KNL	HE	686	137	ES		1450	33.19	-0.03							1.0
KNL	HE	686	137	IAML		1451	14.82			45	0.3				
KNL	HN	686	137	IAML		1451	22.04			59	0.2				

December 1 2022 Hour: 21: 2 31.9 Lat: 34.06N Lon: 74.00E D: 12.0 Ag: NCS Local
 Magnitudes: 2.5ML NCS 2.9MW NCS Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	74	91	EP		2102	44.99	0.04							1.0
SRIN	BE	74	91	ES		2102	54.41	-0.05							1.0
SRIN	BE	74	91	IAML		2102	57.65			498	0.3				
SRIN	BN	74	91	IAML		2102	57.69			462	0.4				
JMU	BZ	162	151	EP		2102	58.49	-0.07							1.0
JMU	BE	162	151	ES		2103	17.79	-0.22							1.0
JMU	BN	162	151	IAML		2103	23.23			74	0.2				
JMU	BE	162	151	IAML		2103	23.48			79	0.2				
UDMP	HZ	165	140	EP		2102	59.19	0.31							1.0
UDMP	HN	165	140	ES		2103	18.52	-0.03							1.0
ALCI	BE	294	86	ES		2103	45.78	-0.21							1.0
DHRM	HN	294	132	ES		2103	46.00	-0.09							1.0
DHRM	HE	294	132	IAML		2103	50.08			38	0.2				
DHRM	HN	294	132	IAML		2103	50.23			37	0.2				
ALCI	BZ	294	86	EP		2103	14.99	0.26							1.0
ALCI	BN	294	86	IAML		2104	00.44			16	0.5				
DHRM	HZ	294	132	EP		2103	14.73	-0.06							1.0
SDNR	BZ	390	135	EP		2103	26.32	-0.16							1.0
SDNR	BN	390	135	ES		2104	06.14	-0.17							1.0
SDNR	BE	390	135	ES		2104	07.34	1.03							1.0
SDNR	BN	390	135	IAML		2104	09.47			8	0.4				
SDNR	BE	390	135	IAML		2104	10.98			11	0.3				
SMLA	HZ	441	137	EP		2103	32.37	-0.24							1.0
SMLA	HE	441	137	ES		2104	16.57	-0.34							1.0
SMLA	HE	441	137	IAML		2104	21.17			10	0.6				
SMLA	HN	441	137	IAML		2104	21.32			10	0.2				

December 2 2022 Hour: 5:33 30.5 Lat: 31.16N Lon: 78.10E D: 5.0F Ag: NCS Local
 Magnitudes: 2.5ML NCS 2.8MW NCS Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SMLA	HZ	88	268	EP		0533	46.05	0.31							1.0
SMLA	HE	88	268	ES		0533	57.21	0.31							1.0
SMLA	HE	88	268	IAML		0533	59.00			185	0.6				
SMLA	HN	88	268	IAML		0534	01.01			63	0.2				
DDI	HZ	93	183	EP		0533	47.10	0.47							1.0
DDI	HE	93	183	ES		0533	58.78	0.35							1.0
DDI	HN	93	183	IAML		0533	59.46			541	0.2				
DDI	HE	93	183	IAML		0534	00.00			883	0.3				
BHK	BZ	113	283	EP		0533	49.87	-0.31							1.0
BHK	BN	113	283	ES		0534	04.09	-0.48							1.0
BHK	BN	113	283	IAML		0534	22.28			117	0.2				
BHK	BE	113	283	IAML		0534	22.32			122	0.5				
SDNR	BZ	121	291	EP		0533	51.19	-0.22							1.0
SDNR	BE	121	291	ES		0534	06.20	-0.51							1.0
SDNR	BE	121	291	IAML		0534	10.30			83	0.3				
SDNR	BN	121	291	IAML		0534	11.14			84	0.3				
JOSI	BZ	155	115	EP		0533	56.31	-0.63							1.0
JOSI	BN	155	115	ES		0534	15.39	-0.88							1.0
JOSI	BE	155	115	IAML		0534	21.14			119	0.3				
JOSI	BN	155	115	IAML		0534	21.49			115	0.3				
HNLY	BZ	197	25	EP		0534	02.25	-0.09							1.0
HNLY	BN	197	25	ES		0534	25.95	0.33							1.0
HNLY	BN	197	25	IAML		0534	32.08			14	0.5				
HNLY	BE	197	25	IAML		0534	32.41			11	0.9				
DHRM	HZ	208	306	EP		0534	03.25	-0.40							1.0
DHRM	HN	208	306	ES		0534	27.97	0.09							1.0
DHRM	HE	208	306	IAML		0534	36.05			74	0.4				
DHRM	HN	208	306	IAML		0534	36.57			77	0.5				
PTH	BZ	267	130	EP		0534	11.19	0.38							1.0
PTH	BE	267	130	ES		0534	40.56	0.29							1.0

JMU	BN	114	264	IAML	1908	47.15		693	0.3	
JMU	BE	114	264	IAML	1908	47.19		427	0.2	
SRIN	BZ	172	318	EP	1908	34.49-0.55				1.0
SRIN	BN	172	318	ES	1908	57.28 1.27				1.0
SRIN	BE	172	318	IAML	1909	03.85		1803	0.3	
SRIN	BN	172	318	IAML	1909	06.50		2162	0.3	
AMRT	HZ	175	218	EP	1908	35.72 0.37				1.0
AMRT	HE	175	218	ES	1908	56.36-0.18				1.0
AMRT	HN	175	218	IAML	1908	59.37		2116	0.3	
ALCI	BZ	181	36	EP	1908	36.06-0.05				1.0
ALCI	BN	181	36	ES	1908	57.98 0.12				1.0
ALCI	BE	181	36	IAML	1909	01.31		290	0.6	
ALCI	BN	181	36	IAML	1909	01.50		199	0.5	
BHK	BZ	187	153	EP	1908	36.27-0.61				1.0
BHK	BE	187	153	IAML	1908	57.72		603	0.3	
BHK	BN	187	153	IAML	1908	58.19		361	0.3	
BHK	BN	187	153	ES	1908	58.35-0.84				1.0
SMLA	HZ	224	151	EP	1908	41.44 0.16				1.0
SMLA	HN	224	151	ES	1909	07.97 1.16				1.0
SMLA	HE	224	151	IAML	1909	09.37		1474	0.4	
SMLA	HN	224	151	IAML	1909	09.86		1090	0.7	
JOSI	BZ	423	127	EP	1909	05.37-0.23				1.0
JOSI	BE	423	127	ES	1909	47.95-0.92				1.0
JOSI	BN	423	127	IAML	1909	51.74		31	0.3	
JOSI	BE	423	127	IAML	1909	53.17		24	0.3	

December 3 2022 Hour: 1:21 37.4 Lat: 35.41N Lon: 70.80E D:150.0F Ag: NCS Regional

Magnitudes: 3.9ML NCS 4.2MW NCS		Rms: 0.5 secs													
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	396	111	EP		0122	31.36-0.41								1.0
SRIN	BE	396	111	ES		0123	10.71-0.78								1.0
SRIN	BE	396	111	IAML		0123	16.94		1058	0.4					
SRIN	BN	396	111	IAML		0123	17.03		748	0.2					
JMU	BZ	472	127	EP		0122	41.39 0.72								1.0
JMU	BN	472	127	IAML		0123	30.20		234	0.3					
JMU	BE	472	127	IAML		0123	30.85		202	0.2					
UDMP	HZ	485	124	EP		0122	42.12-0.00								1.0
UDMP	HE	485	124	ES		0123	29.39-0.01								1.0
DHRM	HZ	618	123	EP		0122	58.25 0.30								1.0
DHRM	HE	618	123	ES		0123	56.86 0.08								1.0
DHRM	HE	618	123	IAML		0124	00.48		364	0.4					
DHRM	HN	618	123	IAML		0124	01.82		344	0.4					
SDNR	BZ	711	125	EP		0123	09.01-0.01								1.0
SDNR	BE	711	125	IAML		0124	18.84		33	0.1					
SDNR	BN	711	125	IAML		0124	19.73		56	0.4					
BHK	BZ	724	126	EP		0123	10.61 0.11								1.0
BHK	BN	724	126	ES		0124	18.42-0.07								1.0
BHK	BN	724	126	IAML		0124	19.93		68	0.4					
SMLA	HZ	760	127	EP		0123	14.90 0.14								1.0
SMLA	HN	760	127	ES		0124	26.38 0.52								1.0
SMLA	HE	760	127	IAML		0124	28.74		108	0.5					
SMLA	HN	760	127	IAML		0124	28.80		130	0.1					
CHUR	HZ	882	152	EP		0123	29.47 0.02								1.0
CHUR	HE	882	152	ES		0124	50.46-0.81								1.0
CHUR	HN	882	152	IAML		0126	22.31		1877	0.2					
NDI	HZ	960	139	EP		0123	38.21-0.57								1.0
NDI	HE	960	139	ES		0125	08.19 0.77								1.0
NDI	HE	960	139	IAML		0125	13.41		42	0.6					
NDI	HN	960	139	IAML		0125	14.73		42	0.6					

December 3 2022 Hour: 2:59 38.8 Lat: 36.54N Lon: 71.57E D:171.8 Ag: NCS Regional
Magnitudes: 4.2ML NCS 4.1MW NCS Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	403	132	EP		0300	34.80	-0.01							1.0
SRIN	BE	403	132	ES		0301	15.66	-0.03							1.0
SRIN	BN	403	132	IAML		0301	18.31			2365	0.5				
SRIN	BE	403	132	IAML		0301	19.49			1242	0.2				
JMU	BZ	513	143	EP		0300	47.26	-0.20							1.0
JMU	BE	513	143	ES		0301	37.77	0.21							1.0
JMU	BE	513	143	IAML		0301	41.93			768	0.3				
JMU	BN	513	143	IAML		0301	43.31			618	0.9				
UDMP	HZ	517	140	EP		0300	47.96	0.04							1.0
UDMP	HE	517	140	ES		0301	38.16	-0.21							1.0
THN	BZ	598	138	EP		0300	57.40	-0.03							1.0
THN	BN	598	138	ES		0301	54.69	-0.14							1.0
DHRM	HZ	645	136	EP		0301	02.98	-0.02							1.0
DHRM	HN	645	136	ES		0302	04.53	0.08							1.0
DHRM	HE	645	136	IAML		0302	07.67			548	0.7				
DHRM	HN	645	136	IAML		0302	09.00			529	0.3				
SDNR	BZ	741	137	EP		0301	14.46	0.02							1.0
SDNR	BE	741	137	ES		0302	24.21	-0.04							1.0
SDNR	BN	741	137	IAML		0302	29.28			113	1.0				
BHK	BZ	756	137	EP		0301	16.08	-0.05							1.0
BHK	BE	756	137	IAML		0302	25.56			244	0.4				
BHK	BN	756	137	IAML		0302	27.37			294	0.3				
BHK	BE	756	137	ES		0302	27.72	0.55							1.0
SMLA	HZ	793	138	EP		0301	20.57	0.09							1.0
SMLA	HN	793	138	ES		0302	34.43	-0.26							1.0
SMLA	HN	793	138	IAML		0302	40.13			162	0.5				
SMLA	HE	793	138	IAML		0302	41.28			171	0.3				
HNLY	BZ	796	119	EP		0301	20.99	0.03							1.0
HNLY	BE	796	119	ES		0302	35.65	0.12							1.0
BKNR	BZ	938	170	EP		0301	37.86	-0.01							1.0
BKNR	BN	938	170	ES		0303	05.12	0.34							1.0
BKNR	BE	938	170	IAML		0303	10.56			507	0.9				
BKNR	BN	938	170	IAML		0303	13.41			314	0.2				
JOSI	BZ	994	130	EP		0301	44.73	0.14							1.0
JOSI	BN	994	130	ES		0303	16.54	0.14							1.0
JOSI	BE	994	130	IAML		0303	23.95			134	0.9				
JOSI	BN	994	130	IAML		0303	24.43			101	0.3				
NDI	HZ	1018	147	EP		0301	47.64	0.13							1.0
NDI	HE	1018	147	ES		0303	21.31	-0.15							1.0
NDI	HE	1018	147	IAML		0303	24.00			45	0.2				
NDI	HN	1018	147	IAML		0303	27.99			45	0.4				
NPL	BZ	1021	147	EP		0301	47.65	-0.10							1.0
NPL	BN	1021	147	ES		0303	21.48	-0.39							1.0
NPL	BE	1021	147	IAML		0303	28.58			152	0.2				
NPL	BN	1021	147	IAML		0303	29.39			106	0.1				
KUDL	HZ	1039	152	EP		0301	49.82	-0.17							1.0
KUDL	HE	1039	152	ES		0303	25.56	-0.18							1.0
KUDL	HE	1039	152	IAML		0303	28.67			53	0.3				
KUDL	HN	1039	152	IAML		0303	31.27			33	0.5				
UDPR	BZ	1341	171	EP		0302	26.14	-0.04							1.0
UDPR	BN	1341	171	ES		0304	28.49	0.14							1.0
UDPR	BN	1341	171	IAML		0304	33.40			41	0.4				
JHNI	BZ	1399	149	EP		0302	33.17	0.04							1.0
JHNI	BE	1399	149	ES		0304	40.33	-0.05							1.0
JHNI	BN	1399	149	IAML		0304	44.14			26	0.5				
JHNI	BE	1399	149	IAML		0304	44.30			23	0.9				

December 3 2022 Hour: 4:27 20.7 Lat: 24.51N Lon: 95.90E D: 30.0F Ag: NCS Regional

Magnitudes: 3.1ML NCS 3.4MW NCS

Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOHI	SZ	225	307	EP		0427	52.38	-0.78							1.0
KOHI	SN	225	307	ES		0428	17.18	0.29							1.0
KOHI	SN	225	307	IAML		0428	26.08			196	0.8				
KOHI	SE	225	307	IAML		0428	30.08			203	1.1				
MOKO	SZ	245	326	EP		0427	56.24	0.69							1.0
MOKO	SN	245	326	ES		0428	21.35	0.33							1.0
MOKO	SN	245	326	IAML		0428	29.42			78	0.4				
MOKO	SE	245	326	IAML		0428	31.53			97	0.6				
CMPI	HZ	287	247	EP		0428	00.72	-0.10							1.0
CMPI	HN	287	247	ES		0428	30.87	0.72							1.0
CMPI	HN	287	247	IAML		0428	37.43			126	0.6				
CMPI	HE	287	247	IAML		0428	37.83			205	0.6				
SAIH	SZ	372	234	EP		0428	11.08	-0.05							1.0
SAIH	SN	372	234	IAML		0428	53.06			33	0.8				
SAIH	SE	372	234	IAML		0428	54.43			84	0.3				
SHL	HZ	412	287	EP		0428	15.48	-0.45							1.0
SHL	HN	412	287	ES		0428	55.61	-0.66							1.0
SHL	HN	412	287	IAML		0428	59.71			236	0.5				
SHL	HE	412	287	IAML		0429	01.17			87	0.8				

December 3 2022 Hour: 6:23 50.1

Ag: NCS Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TKRD	BZ			EP		0627	35.28								
BHK	BZ			EP		0627	37.19								
CGRH	BZ			EP		0627	42.53								
CGRH	BN			ES		0629	04.91								
TLWR	BZ			EP		0627	44.81								
TLWR	BE			ES		0629	08.34								
SRIN	BZ			EP		0627	52.06								
TAWA	SZ			EP		0627	53.97								
TAWA	SN			ES		0629	24.74								
JMU	BZ			EP		0627	54.35								
JMU	BN			ES		0629	24.74								
TURA	SZ			EP		0628	06.93								
ITAN	SZ			EP		0628	13.04								
ITAN	SE			ES		0629	57.54								
SHL	HZ			EP		0628	16.85								
SHL	HN			ES		0630	03.27								
MOKO	SZ			EP		0628	27.53								
KOHI	SN			ES		0630	26.91								
HAUL	HZ			EP		0628	29.82								
HAUL	HN			ES		0630	26.91								
KOHI	SZ			EP		0628	29.82								
SILR	SZ			EP		0628	30.96								
CMPI	HZ			EP		0628	47.69								
SAIH	SZ			EP		0628	53.85								
HNLY	BZ			EP		0625	47.16								
HNLY	BN			ES		0627	11.27								
ALCI	BZ			EP		0626	05.62								
ALCI	BN			ES		0627	54.35								
SDNR	BZ			EP		0626	24.09								
SDNR	BN			ES		0628	12.82								
BHK	BE			ES		0628	39.49								
SMLA	HZ			EP		0626	32.29								
SMLA	HN			ES		0628	12.82								
JOSI	BZ			EP		0626	03.57								
JOSI	BN			ES		0627	25.63								
DHRM	HZ			EP		0626	34.35								
DHRM	HN			ES		0628	23.08								
DDI	HZ			EP		0626	34.35								

DDI	HN	ES	0628	06.66
UDMP	HZ	EP	0626	44.60
UDMP	HN	ES	0628	51.80
PTH	BZ	EP	0626	40.50
PTH	BN	ES	0627	50.25
TKRD	BE	ES	0629	18.47
SRIN	BN	ES	0629	49.24
GKPR	BN	ES	0630	09.76
GKPR	BZ	EP	0628	35.38
TURA	SN	ES	0630	03.60
SILR	SE	ES	0630	56.94
MOKO	SN	ES	0630	58.99
CMPI	HN	ES	0631	48.23
SAIH	SE	ES	0632	04.64

December 3 2022 Hour: 9:49 39.5 Lat: 7.84S Lon: 107.08E D:100.0F Ag: NCS Distant
 Magnitudes: 5.6MW NCS Rms: 0.7 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOD	BZ	3843	301	EP		0956	18.11	-0.36							1.0
CHT	HZ	3844	300	EP		0956	18.11	-0.38							1.0
SALM	BZ	3861	304	EP		0956	19.45	-0.42							1.0
BWNR	BZ	3883	323	EP		0956	21.43	-0.18							1.0
KOCH	HZ	3931	300	EP		0956	24.57	-0.64							1.0
KOHI	SZ	3970	340	EP		0956	27.34	-0.95							1.0
MOKO	SZ	4017	341	EP		0956	31.89	-0.00							1.0
MYSR	HZ	4051	303	EP		0956	34.48	0.07							1.0
LKP	SZ	4076	343	EP		0956	36.37	-0.00							1.0
KNL	HZ	4131	309	EP		0956	40.70	0.11							1.0
MNC	HZ	4175	295	EP		0956	43.79	-0.02							0.0
HYB	HZ	4202	312	EP		0956	44.99	-0.97							1.0
LATR	BZ	4438	311	EP		0957	04.43	0.80							1.0
AKL	BZ	4560	314	EP		0957	12.73	0.08							1.0
KAD	BZ	4565	308	EP		0957	14.66	1.71							0.9
ALBI	BZ	4577	324	EP		0957	15.40	1.44							0.9
P00	HZ	4672	309	EP		0957	21.20	0.40							1.0
BHPL	HZ	4717	318	EP		0957	25.43	1.32							0.9
JHNI	BZ	4804	321	EP		0957	30.43	0.01							1.0
BHV	BZ	5027	311	EP		0957	46.17	-0.20							1.0
UDPR	BZ	5097	316	EP		0957	51.46	0.04							1.0
ASOR	BZ	5129	323	EP		0957	53.66	0.05							1.0
FBD	HZ	5131	323	EP		0957	53.69	-0.17							1.0
SONA	BZ	5135	322	EP		0957	53.90	-0.10							1.0
BISR	BZ	5136	323	EP		0957	52.33	-1.79							0.9
JMIU	BZ	5145	323	EP		0957	54.74	-0.07							1.0
NDI	HZ	5160	323	EP		0957	55.56	-0.33							1.0
AJM	BZ	5164	318	EP		0957	55.63	-0.52							1.0
KUDL	HZ	5165	322	EP		0957	55.88	-0.35							1.0
JOSI	BZ	5167	327	EP		0957	57.61	1.28							0.9
SDNR	BZ	5414	325	EP		0958	13.96	0.43							1.0

December 3 2022 Hour: 10:45 57.8 Lat: 22.60N Lon: 94.50E D: 20.3 Ag: NCS Regional
 Magnitudes: 3.6ML NCS 3.6MW NCS Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SAIH	SZ	157	266	EP		1005	22.24	-0.54							1.0
CMPI	HN	157	309	IAML		1005	47.39			576	0.7				
SAIH	SE	157	266	IAML		1005	44.11			381	0.9				
CMPI	HZ	157	309	EP		1005	22.73	-0.31							1.0
CMPI	HE	157	309	ES		1005	41.32	-0.16							1.0
CMPI	HE	157	309	IAML		1005	44.39			946	0.2				
SAIH	SN	157	266	ES		1005	41.33	0.29							1.0
SAIH	SN	157	266	IAML		1005	44.89			351	0.3				
KOHI	SZ	348	353	EP		1005	46.02	-0.08							1.0
KOHI	SN	348	353	ES		1006	21.51	0.12							1.0
KOHI	SN	348	353	IAML		1006	33.41			148	1.4				

KOHI	SE	348	353	IAML	1006	36.61		178	1.2	
MOKO	SZ	412	0	EP	1005	53.80-0.18				1.0
MOKO	SE	412	0	ES	1006	35.15 0.13				1.0
MOKO	SN	412	0	IAML	1006	38.04		145	0.8	
MOKO	SE	412	0	IAML	1006	40.00		180	1.4	
SHL	HZ	416	323	EP	1005	55.92 1.48				1.0
SHL	HE	416	323	ES	1006	35.22-0.59				1.0
SHL	HN	416	323	IAML	1006	36.34		445	0.3	
SHL	HE	416	323	IAML	1006	36.68		437	0.3	
TURA	SZ	542	307	EP	1006	09.96 0.18				1.0
TURA	SN	542	307	IAML	1006	59.25		248	0.2	
TURA	SE	542	307	IAML	1006	59.37		185	0.4	
TURA	SE	542	307	ES	1007	02.56 0.22				1.0
TAWA	SZ	614	335	EP	1006	17.99-0.55				1.0
TAWA	SN	614	335	IAML	1007	19.31		419	0.6	
TAWA	SE	614	335	IAML	1007	21.08		413	0.3	

December 3 2022 Hour: 15:54 10.8 Lat: 36.46N Lon: 70.73E D:162.5 Ag: NCS Regional
Magnitudes: 3.6ML NCS 3.6MW NCS Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
UDMP	HZ	563	133	EP		1555	25.01	0.02							1.0
UDMP	HN	563	133	ES		1556	18.93-0.24								1.0
ALCI	BZ	637	111	EP		1555	33.90	0.08							1.0
ALCI	BN	637	111	ES		1556	34.34-0.12								1.0
ALCI	BE	637	111	IAML		1556	46.81			53	0.7				
ALCI	BN	637	111	IAML		1556	47.48			50	0.7				
DHRM	HZ	694	131	EP		1555	40.42-0.13								1.0
DHRM	HN	694	131	ES		1556	46.78 0.69								1.0
DHRM	HE	694	131	IAML		1556	58.25			163	0.4				
DHRM	HN	694	131	IAML		1556	58.68			79	0.9				
SDNR	BZ	789	132	EP		1555	52.27	0.33							1.0
SDNR	BN	789	132	ES		1557	05.74-0.05								1.0
SDNR	BN	789	132	IAML		1557	15.03			24	0.6				
SMLA	HZ	840	133	EP		1555	57.60-0.29								1.0
SMLA	HN	840	133	ES		1557	15.81-0.29								1.0
SMLA	HN	840	133	IAML		1557	26.25			31	0.1				
SMLA	HE	840	133	IAML		1557	28.19			49	0.3				

December 4 2022 Hour: 9:53 12.8 Lat: 1.21S Lon: 10.15E D: 10.0F Ag: NCS Distant
Magnitudes: 5.3MW NCS Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MNC	HZ	7059	80	EP		1003	42.05-0.78								1.0
KAD	BZ	7311	70	EP		1003	56.87-0.75								1.0
UDPR	BZ	7418	63	EP		1004	03.18-0.70								1.0
CHT	HZ	7530	79	EP		1004	10.20-0.02								1.0
KOD	BZ	7562	79	EP		1004	12.82 0.76								1.0
LATR	BZ	7575	70	EP		1004	13.65 0.78								1.0
INDR	HZ	7592	65	EP		1004	14.29 0.52								1.0
ATP	HZ	7634	74	EP		1004	15.97-0.14								1.0
SALM	BZ	7652	77	EP		1004	16.76-0.43								1.0
KNL	HZ	7692	73	EP		1004	20.42 1.03								1.0
BHPL	HZ	7758	65	EP		1004	24.46 1.41								0.9
HYB	HZ	7772	71	EP		1004	23.47-0.36								1.0
THN	BZ	7824	55	EP		1004	26.59-0.14								1.0
DHRM	HZ	7865	55	EP		1004	28.75-0.23								1.0
SDNR	BZ	7901	56	EP		1004	31.27 0.32								1.0
SMLA	HZ	7915	57	EP		1004	31.57-0.09								1.0
ALCI	BZ	7998	53	EP		1004	35.97-0.25								1.0
HNLY	BZ	8123	55	EP		1004	43.54 0.62								1.0
JOSI	BZ	8124	58	EP		1004	42.04-0.88								1.0
VISK	HZ	8279	71	EP		1004	50.74-0.34								1.0
SHL	HZ	9257	64	EP		1005	39.25-0.12								1.0

December 4 2022 Hour: 13: 8 38.6 Lat: 8.30N Lon: 83.34E D: 5.8 Ag: NCS Regional
Magnitudes: 4.0ML NCS 3.3MW NCS Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MDRS	HZ	623	327	EP		1310	02.11	-0.08							1.0
MDRS	HE	623	327	ES		1311	03.22	-0.03							1.0
MDRS	HE	623	327	IAML		1311	05.35			399	0.1				
MDRS	HN	623	327	IAML		1311	05.45			405	0.2				
SALM	BZ	678	304	EP		1310	08.98	-0.07							1.0
SALM	BN	678	304	ES		1311	14.87	-0.23							1.0
SALM	BN	678	304	IAML		1311	16.84			318	0.2				
SALM	BE	678	304	IAML		1311	16.99			257	0.9				
KOD	BZ	679	289	EP		1310	08.91	-0.24							1.0
KOD	BN	679	289	ES		1311	15.70	0.43							1.0
KOD	BE	679	289	IAML		1311	16.28			87	0.5				
KOD	BN	679	289	IAML		1311	17.60			68	0.5				
CHT	HZ	693	284	EP		1310	10.72	-0.10							1.0
CHT	HN	693	284	IAML		1311	14.92			80	0.2				
CHT	HE	693	284	IAML		1311	17.17			94	1.0				
CHT	HE	693	284	ES		1311	18.22	0.06							1.0
MYSR	HZ	869	302	EP		1310	32.39	0.16							1.0
MYSR	HE	869	302	ES		1311	55.03	-0.19							1.0
MYSR	HE	869	302	IAML		1311	59.55			59	0.5				
MYSR	HN	869	302	IAML		1311	59.80			136	0.6				
ATP	HZ	934	319	EP		1310	40.14	-0.04							1.0
ATP	HN	934	319	ES		1312	09.06	0.11							1.0
ATP	HN	934	319	IAML		1312	24.84			125	0.7				
KNL	HZ	1007	326	EP		1310	49.16	0.03							1.0
KNL	HE	1007	326	ES		1312	24.50	0.06							1.0
KNL	HE	1007	326	IAML		1312	27.95			117	0.5				
KNL	HN	1007	326	IAML		1312	30.07			84	0.3				
VISK	HZ	1042	360	EP		1310	53.55	0.13							1.0
VISK	HN	1042	360	ES		1312	31.72	-0.14							1.0
VISK	HE	1042	360	IAML		1312	37.12			75	0.4				
VISK	HN	1042	360	IAML		1312	37.40			70	0.0				
MNGI	BZ	1057	299	EP		1310	55.13	-0.04							1.0
MNGI	BN	1057	299	ES		1312	34.78	-0.12							1.0
MNGI	BN	1057	299	IAML		1312	37.91			215	0.3				
MNGI	BE	1057	299	IAML		1312	41.55			171	0.4				
HYB	HZ	1134	333	EP		1311	04.91	0.18							1.0
HYB	HE	1134	333	ES		1312	51.46	0.03							1.0
HYB	HN	1134	333	IAML		1312	54.76			28	0.6				
HYB	HE	1134	333	IAML		1312	55.62			47	1.1				
RAGD	BZ	1211	1	EP		1311	14.12	0.09							1.0
RAGD	BE	1211	1	ES		1313	07.47	-0.06							1.0
RAGD	BE	1211	1	IAML		1313	17.69			30	0.6				
RAGD	BN	1211	1	IAML		1313	18.32			17	0.3				
SLPR	HZ	1311	323	EP		1311	26.28	-0.05							1.0
SLPR	HE	1311	323	ES		1313	28.86	0.05							1.0
SLPR	HN	1311	323	IAML		1313	32.85			88	0.5				
SLPR	HE	1311	323	IAML		1313	33.47			57	0.4				
LATR	BZ	1339	327	EP		1311	29.86	0.15							1.0
LATR	BE	1339	327	IAML		1313	39.11			42	0.4				
LATR	BN	1339	327	IAML		1313	40.53			27	0.3				
P00	HZ	1528	319	EP		1311	53.55	-0.13							1.0
P00	HN	1528	319	ES		1314	27.68	0.04							1.0
P00	HE	1528	319	IAML		1314	31.61			34	0.6				
P00	HN	1528	319	IAML		1314	31.79			24	0.8				

December 4 2022 Hour: 14:27 28.6 Lat: 16.91N Lon: 75.53E D: 5.7 Ag: NCS Local
 Magnitudes: 2.5ML NCS 2.5MW NCS Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SLPR	HZ	94	26	EP		1427	45.94	0.97							1.0
SLPR	HE	94	26	ES		1427	56.22	-0.68							1.0
SLPR	HN	94	26	IAML		1427	59.88			57	0.3				
SLPR	HE	94	26	IAML		1428	00.01			107	0.2				
KAD	BZ	150	287	EP		1427	54.10	-0.13							1.0
KAD	BN	150	287	ES		1428	13.02	0.11							1.0
KAD	BN	150	287	IAML		1428	13.59			32	0.3				
KAD	BE	150	287	IAML		1428	13.70			19	0.3				
LATR	BZ	196	32	EP		1428	00.63	0.33							1.0
LATR	BE	196	32	ES		1428	23.82	0.40							1.0
LATR	BE	196	32	IAML		1428	31.29			83	0.7				
LATR	BN	196	32	IAML		1428	32.25			23	0.7				
BLRY	HZ	199	155	EP		1427	59.69	-0.88							1.0
BLRY	HE	199	155	IAML		1428	22.23			187	0.1				
BLRY	HN	199	155	IAML		1428	22.26			75	0.2				
BLRY	HN	199	155	ES		1428	23.39	-0.50							1.0
SUPA	HZ	211	210	EP		1428	02.25	0.16							1.0
SUPA	HE	211	210	ES		1428	27.18	0.67							1.0
SUPA	HE	211	210	IAML		1428	29.45								
SUPA	HN	211	210	IAML		1428	29.51								
P00	HZ	253	315	EP		1428	06.58	-0.49							1.0
P00	HN	253	315	ES		1428	34.79	-0.34							1.0
P00	HE	253	315	IAML		1428	38.64			24	0.2				
P00	HN	253	315	IAML		1428	38.72			25	0.3				
KNL	HZ	297	115	EP		1428	12.54	0.05							1.0
KNL	HE	297	115	ES		1428	44.51	0.01							1.0
KNL	HN	297	115	IAML		1428	49.95			45	0.2				
KNL	HE	297	115	IAML		1428	49.97			36	0.3				
ATP	HZ	341	138	EP		1428	18.18	0.28							1.0
ATP	HE	341	138	ES		1428	53.91	0.05							1.0
ATP	HE	341	138	IAML		1429	00.66			40	0.1				
ATP	HN	341	138	IAML		1429	00.68			42	0.1				

December 4 2022 Hour: 18:1 41.0 Lat: 26.14N Lon: 92.24E D: 16.6 Ag: NCS Local
 Magnitudes: 2.6ML NCS 2.8MW NCS Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHL	HZ	68	202	EP		1801	53.27	0.10							1.0
SHL	HN	68	202	ES		1802	01.99	-0.09							1.0
SHL	HE	68	202	IAML		1803	01.27			192	0.4				
SHL	HN	68	202	IAML		1803	01.61			289	0.3				
TAWA	SZ	165	347	EP		1802	07.36	-0.07							1.0
TAWA	SN	165	347	IAML		1803	52.73			77	0.5				
TAWA	SE	165	347	IAML		1803	53.61			50	0.4				
TURA	SZ	213	252	EP		1802	13.41	0.09							1.0
TURA	SN	213	252	ES		1802	36.91	-0.03							1.0
GTK	SN	385	291	ES		1803	13.16	0.00							1.0
GTK	SE	385	291	IAML		1803	45.05			27	0.9				
GTK	SN	385	291	IAML		1803	45.56			23	0.2				

December 4 2022 Hour: 19:25 3.7 Lat: 15.54S Lon: 172.55W D: 10.0F Ag: NCS Distant
 Magnitudes: 6.6MW NCS Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BRCH	BZ12339	294	EP			1943	36.84	-0.09							1.0
LKN	BZ12399	293	EP			1943	37.58	-0.34							1.0
SALM	BZ12402	277	EP			1943	38.32	0.32							1.0
JBPL	HZ12441	289	EP			1943	38.67	0.09							1.0
HYB	HZ12483	283	EP			1943	39.72	0.32							1.0
NGP	BZ12499	287	EP			1943	39.35	-0.23							1.0
CNWR	HZ12525	288	EP			1943	40.50	0.40							1.0
FRKB	BZ12536	294	EP			1943	40.24	-0.05							1.0

JOSI	BZ12572	297	EP	1943	41.02	0.14	1.0
MYSR	HZ12588	277	EP	1943	39.35	-1.77	0.9
JHNI	BZ12607	291	EP	1943	41.28	-0.15	1.0
TKRD	BZ12626	295	EP	1943	41.63	-0.14	1.0
BLRY	HZ12676	280	EP	1943	43.17	0.55	1.0
BHPL	HZ12697	289	EP	1943	43.38	0.37	1.0
AKL	BZ12701	286	EP	1943	42.92	-0.20	1.0
DDI	HZ12714	297	EP	1943	43.38	0.08	1.0
ASOR	BZ12728	295	EP	1943	44.75	1.22	1.0
FBD	HZ12769	294	EP	1943	44.69	0.39	1.0
JMIU	BZ12772	295	EP	1943	44.42	0.10	1.0
LDR	HZ12780	295	EP	1943	44.98	0.49	1.0
NDI	HZ12782	295	EP	1943	43.46	-1.06	1.0
SONA	BZ12792	294	EP	1943	44.43	-0.19	1.0
NRLA	BZ12795	295	EP	1943	44.69	-0.05	1.0
SMLA	HZ12805	297	EP	1943	44.95	0.09	1.0
UJWA	BZ12809	295	EP	1943	44.94	-0.03	1.0
BHK	BZ12829	298	EP	1943	45.47	0.13	1.0
SDNR	BZ12833	298	EP	1943	45.45	0.06	1.0
CGRH	BZ12840	297	EP	1943	45.47	-0.00	1.0
KUDL	HZ12847	294	EP	1943	45.73	0.10	1.0
MNC	HZ12866	272	EP	1943	46.19	0.30	1.0
DHRM	HZ12894	299	EP	1943	46.26	-0.21	1.0
KAD	BZ12939	282	EP	1943	47.30	0.15	1.0
P00	HZ12995	283	EP	1943	48.26	0.15	1.0
UDMP	HZ13007	299	EP	1943	48.26	-0.09	1.0
AJM	BZ13015	292	EP	1943	47.56	-0.96	1.0
AMRT	HZ13023	298	EP	1943	51.68	3.08	0.0
SRIN	BZ13040	301	EP	1943	49.02	0.06	1.0
UDPR	BZ13089	290	EP	1943	49.78	-0.01	1.0
BOM	BZ13109	283	EP	1943	50.18	0.03	1.0
BKNR	BZ13162	294	EP	1943	50.97	-0.07	1.0
JODH	HZ13171	292	EP	1943	50.97	-0.21	1.0

December 4 2022 Hour: 21:27 21.8 Lat: 1.57N Lon: 97.44E D: 10.0F Ag: NCS Distant
Magnitudes: 4.3MW NCS Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PBA	HZ	1230	335	EP		2129	59.95	0.01							1.0
SAIH	SZ	2364	349	EP		2132	08.29	0.02							1.0
CMPI	HZ	2467	350	EP		2132	18.46	0.17							1.0
RAGD	BZ	2480	323	EP		2132	19.62	0.25							1.0
ATP	HZ	2612	305	EP		2132	31.16	-0.69							1.0
KNL	HZ	2646	307	EP		2132	35.03	0.21							1.0
HYB	HZ	2711	311	EP		2132	40.67	0.51							1.0
SHL	HZ	2719	348	EP		2132	41.08	0.24							1.0
BOKR	HZ	2757	334	EP		2132	43.38	-0.58							1.0
TAWA	SZ	2941	349	EP		2132	58.37	-0.55							1.0
JOSI	BZ	3723	331	EP		2134	01.37	0.24							1.0
SMLA	HZ	3907	329	EP		2134	15.39	-0.03							1.0
DHRM	HZ	4056	329	EP		2134	27.11	0.16							1.0

December 5 2022 Hour: 1:34 58.1 Lat: 27.17N Lon: 95.96E D: 9.8 Ag: NCS Local
Magnitudes: 3.0ML NCS 3.0MW NCS Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LKP	SZ	21	328	EP		0135	02.34	0.11							1.0
LKP	SE	21	328	ES		0135	05.16	-0.07							1.0
LKP	SN	21	328	IAML		0135	31.24			381	0.1				
LKP	SE	21	328	IAML		0135	31.99			492	0.2				
HAUL	HZ	115	29	EP		0135	18.11	-0.06							1.0
HAUL	HN	115	29	ES		0135	32.83	0.03							1.0
HAUL	HN	115	29	IAML		0135	36.11			669	0.4				
HAUL	HE	115	29	IAML		0135	37.08			767	0.4				
MOKO	SZ	172	237	EP		0135	26.18	-0.11							1.0
MOKO	SE	172	237	IAML		0135	48.18			165	0.3				

MOKO	SN	172	237	IAML	0135	48.33			213	0.3		
TAWA	SZ	408	278	EP	0135	55.09	0.06					1.0
TAWA	SN	408	278	ES	0136	36.56	-0.01					1.0
TAWA	SE	408	278	IAML	0136	42.34			147	0.1		
TAWA	SN	408	278	IAML	0136	45.06			140	0.1		
SHL	HZ	434	247	EP	0135	58.34	0.05					1.0
SHL	HE	434	247	ES	0136	42.21	0.00					1.0
SHL	HE	434	247	IAML	0136	43.87			39	0.2		

December 5 2022 Hour: 3:258.8 Lat: 19.13N Lon: 89.74E D: 35.1 Ag: NCS Local
Magnitudes: 4.9ML NCS 4.8MW NCS Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CAL	BZ	405	339	EP		0303	52.68	0.00							1.0
CAL	BE	405	339	ES		0304	32.18	0.17							1.0
CAL	BN	405	339	IAML		0304	35.74			12018	0.5				
CAL	BE	405	339	IAML		0304	37.08			14499	0.5				
BWNR	BZ	429	287	EP		0303	55.83	0.06							1.0
BWNR	BE	429	287	ES		0304	37.51	0.15							1.0
BWNR	BN	429	287	IAML		0304	40.85			3341	0.4				
BWNR	BE	429	287	IAML		0304	41.07			1900	0.1				
BOKR	HZ	653	323	EP		0304	23.06	-0.00							1.0
BOKR	HE	653	323	ES		0305	24.69	0.11							1.0
BOKR	HN	653	323	IAML		0305	29.00			830	0.1				
BOKR	HE	653	323	IAML		0305	29.08			725	0.6				
RAGD	BZ	661	272	EP		0304	23.93	-0.16							1.0
RAGD	BE	661	272	ES		0305	26.45	0.10							1.0
RAGD	BN	661	272	IAML		0305	34.38			374	0.6				
RAGD	BE	661	272	IAML		0305	36.85			333	0.6				
VISK	HZ	695	258	EP		0304	28.21	0.07							1.0
VISK	HN	695	258	ES		0305	33.22	-0.14							1.0
VISK	HN	695	258	IAML		0305	35.40			915	0.2				
VISK	HE	695	258	IAML		0305	35.73			567	0.4				
DGPR	HZ	742	152	EP		0304	33.99	0.02							1.0
DGPR	HN	742	152	ES		0305	43.35	-0.09							1.0
DGPR	HN	742	152	IAML		0305	49.21			3322	0.6				
SHL	HZ	749	18	EP		0304	34.96	0.12							1.0
SHL	HN	749	18	ES		0305	44.70	-0.24							1.0
SHL	HN	749	18	IAML		0305	45.26			1300	0.2				
SHL	HE	749	18	IAML		0305	46.82			1490	0.5				
COBR	BZ	794	358	EP		0304	40.45	0.22							1.0
COBR	BN	794	358	ES		0305	54.40	0.13							1.0
COBR	BN	794	358	IAML		0305	56.51			6952	0.3				
COBR	BE	794	358	IAML		0305	58.49			3893	0.5				
PBA	HZ	888	158	EP		0304	51.78	0.06							1.0
PBA	HN	888	158	ES		0306	14.23	0.07							1.0
PBA	HE	888	158	IAML		0306	20.09			3025	1.1				
PBA	HN	888	158	IAML		0306	23.39			2598	0.7				
KNKR	BZ	930	251	EP		0304	56.90	0.05							1.0
KNKR	BE	930	251	ES		0306	22.74	-0.29							1.0
KNKR	BN	930	251	IAML		0306	31.02			684	1.0				
KNKR	BE	930	251	IAML		0306	31.59			121	0.5				
NGP	BZ	1140	283	EP		0305	22.36	-0.09							1.0
NGP	BN	1140	283	ES		0307	07.55	0.24							1.0
NGP	BN	1140	283	IAML		0307	15.27			289	0.7				
HYB	HZ	1198	263	EP		0305	29.66	0.04							1.0
HYB	HN	1198	263	ES		0307	19.98	0.27							1.0
HYB	HN	1198	263	IAML		0307	36.64			115	1.0				
HYB	HE	1198	263	IAML		0307	52.00			86	0.7				
MDRS	HZ	1227	238	EP		0305	33.08	-0.02							1.0
MDRS	HN	1227	238	ES		0307	25.43	-0.31							1.0
MDRS	HE	1227	238	IAML		0307	26.77			343	1.2				
MDRS	HN	1227	238	IAML		0307	26.80			612	1.3				
JHNI	BZ	1343	303	EP		0305	47.22	-0.00							1.0
AKL	BZ	1343	280	EP		0305	47.85	0.48							1.0

AKL	BE	1343	280	ES	0307	50.48	0.06			1.0
AKL	BE	1343	280	IAML	0307	57.48		298	0.4	
JHNI	BN	1343	303	ES	0307	50.29	0.12			1.0
JHNI	BN	1343	303	IAML	0307	55.23		542	0.8	
JHNI	BE	1343	303	IAML	0307	55.26		542	0.8	
BHPL	HZ	1357	292	EP	0305	48.99	0.01			1.0
BHPL	HE	1357	292	ES	0307	53.53	0.32			1.0
BHPL	HE	1357	292	IAML	0307	59.85		225	0.9	
BHPL	HN	1357	292	IAML	0307	59.89		231	0.6	
FRKB	BZ	1385	313	EP	0305	52.73	0.30			1.0
FRKB	BN	1385	313	ES	0307	58.93	-0.25			1.0
FRKB	BN	1385	313	IAML	0308	11.76		1785	0.5	
FRKB	BE	1385	313	IAML	0308	15.59		1718	1.0	
CMBY	HZ	1396	161	EP	0305	53.30	-0.53			1.0
CMBY	HN	1396	161	ES	0308	02.01	0.41			1.0
CMBY	HE	1396	161	IAML	0308	15.16		1259	0.9	
CMBY	HN	1396	161	IAML	0308	16.00		1209	1.6	
SALM	BZ	1492	238	EP	0306	05.61	0.07			1.0
SALM	BE	1492	238	ES	0308	21.98	0.12			1.0
SALM	BN	1492	238	IAML	0308	25.29		124	1.0	
SALM	BE	1492	238	IAML	0308	25.38		94	0.3	
ASOR	BZ	1617	313	EP	0306	20.26	-0.39			0.9
ASOR	BE	1617	313	ES	0308	48.03	0.03			0.9
JOSI	BZ	1630	323	EP	0306	22.27	0.10			0.9
JOSI	BN	1630	323	ES	0308	50.39	-0.25			0.9
SONA	BZ	1639	310	EP	0306	23.36	0.14			0.9
SONA	BN	1639	310	ES	0308	52.45	0.00			0.9
LDR	HZ	1648	312	EP	0306	24.34	-0.14			0.9
LDR	HN	1648	312	ES	0308	54.78	0.15			0.9
NPL	BZ	1656	312	EP	0306	25.40	0.10			0.9
NPL	BE	1656	312	ES	0308	56.17	0.13			0.9
NDI	HZ	1656	312	EP	0306	25.28	-0.08			0.9
NDI	HN	1656	312	ES	0308	56.17	0.02			0.9
KAD	BZ	1657	265	EP	0306	25.61	0.17			0.9
KAD	BN	1657	265	ES	0308	55.72	-0.57			0.9
UJWA	BZ	1671	311	IP	0306	26.97	-0.19			0.9
UJWA	BZ	1671	311	EP	0306	26.97	-0.19			0.9
UJWA	BN	1671	311	ES	0308	59.20	-0.05			0.9
POO	HZ	1676	270	EP	0306	27.82	0.15			0.9
POO	HN	1676	270	ES	0309	00.16	0.02			0.9
KUDL	HZ	1679	309	EP	0306	27.65	-0.46			0.9
KUDL	HN	1679	309	ES	0309	00.88	-0.02			0.9
DDI	HZ	1711	319	EP	0306	32.08	0.13			0.9
DDI	HN	1711	319	ES	0309	07.65	0.10			0.9
AJM	BZ	1748	300	EP	0306	36.27	-0.14			0.8
AJM	BN	1748	300	ES	0309	15.48	0.22			0.8
UDPR	BZ	1762	293	EP	0306	37.93	-0.17			0.8
UDPR	BN	1762	293	ES	0309	17.96	-0.23			0.8
BOM	BZ	1782	272	EP	0306	40.63	0.11			0.8
BOM	BN	1782	272	ES	0309	22.29	-0.09			0.8
SMLA	HZ	1834	319	EP	0306	46.86	0.12			0.8
SMLA	HN	1834	319	ES	0309	33.04	-0.10			0.8
HNLY	BZ	1855	327	EP	0306	50.15	0.76			0.8
HNLY	BN	1855	327	ES	0309	36.76	-0.96			0.8
BHK	BZ	1870	319	EP	0306	50.77	-0.46			0.8
BHK	BN	1870	319	ES	0309	40.86	-0.04			0.8
SDNR	BZ	1884	319	EP	0306	52.88	0.08			0.7
SDNR	BE	1884	319	ES	0309	43.75	0.14			0.7
BKNR	BZ	1954	304	EP	0307	01.02	-0.24			0.7
BKNR	BE	1954	304	ES	0309	58.37	0.11			0.7
DHRM	HZ	1979	320	EP	0307	04.19	-0.15			0.7
DHRM	HN	1979	320	ES	0310	03.66	0.08			0.7
JMU	BZ	2121	318	EP	0307	20.98	-0.45			0.6
JMU	BN	2121	318	ES	0310	33.13	-0.01			0.6

December 5 2022 Hour: 12: 7 48.2 Lat: 37.43N Lon: 73.45E D:194.0F Ag: NCS Regional

Magnitudes: 4.0ML NCS 4.0MW NCS

Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALCI	BZ	491	135	EP		1208	55.13	-0.01							1.0
ALCI	BN	491	135	ES		1209	44.74	0.75							1.0
UDMP	HZ	524	163	EP		1208	59.09	0.25							1.0
UDMP	HE	524	163	ES		1209	50.35	-0.04							1.0
JMU	BZ	531	166	EP		1208	59.69	-0.02							1.0
JMU	BN	531	166	IAML		1210	00.94			211	0.3				
JMU	BE	531	166	IAML		1210	07.51			400	0.7				
DHRM	HZ	631	155	EP		1209	11.49	0.08							1.0
DHRM	HE	631	155	ES		1210	12.19	0.04							1.0
DHRM	HE	631	155	IAML		1210	23.25			378	0.6				
DHRM	HN	631	155	IAML		1210	26.78			391	0.6				
SDNR	BZ	727	153	EP		1209	23.44	0.88							1.0
SDNR	BN	727	153	ES		1210	31.42	-0.02							1.0
SDNR	BN	727	153	IAML		1210	40.92			102	0.5				
SDNR	BE	727	153	IAML		1210	48.61			73	0.4				
BHK	BZ	742	153	EP		1209	25.20	0.77							1.0
BHK	BN	742	153	IAML		1210	43.62			64	0.3				
BHK	BE	742	153	IAML		1210	44.42			112	0.6				
SMLA	HZ	779	153	EP		1209	27.72	-0.93							1.0
SMLA	HN	779	153	ES		1210	42.12	0.15							1.0
SMLA	HE	779	153	IAML		1210	53.18			379	0.6				
SMLA	HN	779	153	IAML		1210	53.24			181	0.2				
DDI	HZ	896	150	EP		1209	41.95	-0.63							1.0
DDI	HN	896	150	ES		1211	05.85	-0.21							1.0
DDI	HE	896	150	IAML		1211	26.83			195	1.0				
JOSI	BZ	948	142	EP		1209	48.30	-0.52							1.0
JOSI	BN	948	142	ES		1211	16.31	-0.54							1.0
JOSI	BE	948	142	IAML		1211	35.65			78	1.2				
JOSI	BN	948	142	IAML		1211	39.01			90	0.7				

December 5 2022 Hour: 14:10 20.4 Lat: 24.89N Lon: 94.96E D:115.0F Ag: NCS Regional

Magnitudes: 3.7ML NCS 3.8MW NCS

Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOHI	SZ	126	317	EP		1410	43.36	0.04							1.0
KOHI	SN	126	317	ES		1411	00.15	0.07							1.0
KOHI	SE	126	317	IAML		1411	05.39			754	0.2				
KOHI	SN	126	317	IAML		1411	10.20			858	0.6				
CMPI	HZ	228	228	EP		1410	54.36	-0.01							1.0
CMPI	HN	228	228	ES		1411	19.23	0.03							1.0
CMPI	HN	228	228	IAML		1411	30.48			425	0.4				
CMPI	HE	228	228	IAML		1411	31.42			623	0.6				
ITAN	SZ	279	334	EP		1411	00.01	-0.01							1.0
ITAN	SN	279	334	ES		1411	29.03	0.06							1.0
ITAN	SN	279	334	IAML		1411	29.97			733	0.2				
SHL	HZ	309	285	EP		1411	03.47	-0.00							1.0
SHL	HN	309	285	ES		1411	34.97	0.03							1.0
SHL	HE	309	285	IAML		1411	38.89			690	0.2				
ZIRO	SZ	313	339	EP		1411	03.88	-0.05							1.0
ZIRO	SE	313	339	ES		1411	35.83	0.10							1.0
ZIRO	SE	313	339	IAML		1411	36.75			645	0.2				
SAIH	SZ	333	218	EP		1411	06.41	-0.02							1.0
SAIH	SN	333	218	ES		1411	40.16	0.10							1.0
SAIH	SE	333	218	IAML		1411	43.72			249	0.3				
SAIH	SN	333	218	IAML		1411	44.11			216	0.8				
HAUL	HZ	386	23	EP		1411	12.56	-0.05							1.0
HAUL	HE	386	23	ES		1411	50.75	0.01							1.0
HAUL	HN	386	23	IAML		1411	51.00			690	0.5				
HAUL	HE	386	23	IAML		1411	51.57			645	0.5				
TAWA	SZ	430	315	EP		1411	17.66	-0.22							1.0
TAWA	SN	430	315	ES		1412	00.03	0.17							1.0

TAWA	SE	430	315	IAML	1412	04.34			1111	0.3		
TAWA	SN	430	315	IAML	1412	04.66			964	0.2		
TURA	SZ	482	279	EP	1411	24.09	0.01					1.0
TURA	SN	482	279	ES	1412	10.61	0.01					1.0
TURA	SE	482	279	IAML	1412	14.55			268	0.3		
TURA	SN	482	279	IAML	1412	15.00			231	0.1		
GTK	SN	691	294	ES	1412	53.64	-0.28					1.0
GTK	SE	691	294	IAML	1412	59.96			32	0.5		
GTK	SN	691	294	IAML	1413	00.17			15	0.2		

December 5 2022 Hour: 21:53 29.8 Lat: 17.56N Lon: 77.68E D: 3.2 Ag: NCS Local
Magnitudes: 3.3ML NCS 3.1MW NCS Rms: 0.9 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HYB	HE	94	99	IAML		2153	42.95			2929	0.8				
HYB	HN	94	99	IAML		2153	43.07			2486	0.3				
HYB	HZ	94	99	EP		2153	46.09	-0.10							1.0
HYB	HN	94	99	ES		2153	58.04	-0.12							1.0
LATR	BZ	154	308	EP		2153	56.04	-0.28							1.0
LATR	BE	154	308	IAML		2153	57.62			413	0.2				
LATR	BN	154	308	IAML		2153	57.64			337	0.2				
LATR	BN	154	308	ES		2154	15.38	-0.30							1.0
SLPR	HZ	187	274	EP		2154	00.17	-0.38							1.0
SLPR	HE	187	274	IAML		2154	12.98			117	0.6				
SLPR	HN	187	274	IAML		2154	14.02			244	0.2				
SLPR	HN	187	274	ES		2154	22.50	-0.50							1.0
KNL	HZ	202	169	EP		2154	02.30	-0.15							1.0
KNL	HE	202	169	IAML		2154	07.33			985	0.3				
KNL	HN	202	169	IAML		2154	07.37			1018	0.2				
KNL	HE	202	169	ES		2154	25.77	-0.52							1.0
BLRY	HZ	291	210	EP		2154	10.33	-2.87							1.0
BLRY	HN	291	210	IAML		2154	32.39			287	0.2				
BLRY	HE	291	210	IAML		2154	32.94			366	0.1				
BLRY	HE	291	210	ES		2154	42.19	-2.70							1.0
ATP	HZ	326	181	EP		2154	17.83	0.25							1.0
ATP	HN	326	181	ES		2154	52.96	0.50							1.0
ATP	HN	326	181	IAML		2154	55.98			227	0.4				
ATP	HE	326	181	IAML		2154	56.50			267	0.6				
AKL	BZ	355	349	EP		2154	21.57	0.46							1.0
AKL	BE	355	349	ES		2154	58.58	0.01							1.0
AKL	BE	355	349	IAML		2154	59.78			93	0.2				
KAD	BZ	372	266	EP		2154	23.45	0.31							1.0
KAD	BN	372	266	ES		2155	02.33	0.25							1.0
KAD	BE	372	266	IAML		2155	07.50			115	0.3				
KAD	BN	372	266	IAML		2155	08.42			82	0.6				
P00	HZ	419	285	EP		2154	30.01	1.11							1.0
P00	HE	419	285	IAML		2155	18.50			153	0.4				
P00	HN	419	285	IAML		2155	18.67			139	0.7				
NGP	BZ	425	20	EP		2154	30.00	0.39							1.0
NGP	BE	425	20	IAML		2155	10.15			250	0.3				
NGP	BN	425	20	IAML		2155	10.63			145	0.9				
NGP	BE	425	20	ES		2155	13.10	-0.18							1.0
KNKR	BZ	431	109	EP		2154	30.47	0.02							1.0
KNKR	BN	431	109	ES		2155	14.98	0.25							1.0
KNKR	BE	431	109	IAML		2155	32.80			27	0.3				
KNKR	BN	431	109	IAML		2155	33.19			32	0.3				
CNWR	HZ	515	15	EP		2154	40.78	0.17							1.0
CNWR	HE	515	15	ES		2155	32.78	0.48							1.0
CNWR	HN	515	15	IAML		2155	37.06			46	0.3				
CNWR	HE	515	15	IAML		2155	40.25			61	0.4				
BOM	BZ	535	287	EP		2154	43.59	0.43							1.0
BOM	BE	535	287	ES		2155	36.99	0.28							1.0
BOM	BE	535	287	IAML		2155	55.91			9	0.4				
BOM	BN	535	287	IAML		2155	56.57			66	0.4				
PALG	HN	572	299	IAML		2155	55.49			95	0.3				

December 5 2022 Hour: 22:50 24.4 Lat: 23.85N Lon: 94.50E D: 33.3 Ag: NCS Regional															
Magnitudes: 2.9ML NCS 3.2MW NCS Rms: 0.5 secs															
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IMP	SZ	122	333	EP		2250	44.18	0.12							1.0
IMP	SN	122	333	ES		2250	58.39	0.01							1.0
IMP	SN	122	333	IAML		2250	59.44			74	0.2				
CMPI	HZ	127	252	EP		2250	44.25	-0.61							1.0
CMPI	HN	127	252	ES		2251	00.65	0.88							1.0
CMPI	HN	127	252	IAML		2251	01.75			734	0.7				
CMPI	HE	127	252	IAML		2251	01.75			512	0.3				
KOHI	SZ	211	349	EP		2250	55.43	0.50							1.0
KOHI	SN	211	349	ES		2251	17.19	0.00							1.0
KOHI	SN	211	349	IAML		2251	22.54			156	0.3				
KOHI	SE	211	349	IAML		2251	22.94			95	0.2				
SAIH	SZ	216	226	EP		2250	54.76	-0.75							1.0
SAIH	SN	216	226	ES		2251	18.27	0.08							1.0
SAIH	SN	216	226	IAML		2251	20.50			56	0.3				
SAIH	SE	216	226	IAML		2251	21.96			76	0.4				
ZIRO	SZ	413	351	EP		2251	19.99	0.45							1.0
ZIRO	SN	413	351	ES		2251	59.63	-0.13							1.0
ZIRO	SN	413	351	IAML		2252	05.42			47	0.4				
TAWA	SZ	492	328	EP		2251	29.47	0.30							1.0
TAWA	SN	492	328	ES		2252	15.57	-0.85							1.0
TAWA	SE	492	328	IAML		2252	16.95			35	0.2				
TAWA	SN	492	328	IAML		2252	17.41			33	0.3				

December 5 2022 Hour: 23: 6 14.2 Lat: 31.12N Lon: 83.99E D:140.0F Ag: NCS Regional

Magnitudes: 3.3ML NCS 3.5MW NCS

Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LGTI	BZ	422	244	EP		2307	11.40	0.14							1.0
LGTI	BE	422	244	IAML		2307	21.35			18	0.5				
LGTI	BN	422	244	IAML		2307	21.73			10	0.5				
LGTI	BE	422	244	ES		2307	53.39	0.46							1.0
SMLA	HZ	650	272	EP		2307	38.60	0.31							1.0
SMLA	HN	650	272	ES		2308	40.18	0.49							1.0
SMLA	HE	650	272	IAML		2308	57.68			27	0.4				
SMLA	HN	650	272	IAML		2308	58.39			28	0.5				
DHRM	HZ	739	282	EP		2307	49.60	0.58							1.0
DHRM	HN	739	282	ES		2308	57.32	-0.93							1.0
DHRM	HE	739	282	IAML		2309	32.70			28	0.6				
DHRM	HN	739	282	IAML		2309	33.95			23	1.0				
JHNI	BZ	820	221	EP		2307	57.81	-0.78							1.0
JHNI	BN	820	221	ES		2309	13.73	-1.08							1.0
JHNI	BN	820	221	IAML		2309	40.12			20	0.9				
JHNI	BE	820	221	IAML		2309	40.67			20	1.1				
BOKR	HZ	833	167	EP		2308	00.12	-0.18							1.0
BOKR	HN	833	167	ES		2309	18.37	0.61							1.0
BOKR	HE	833	167	IAML		2309	21.03			10	0.7				
BOKR	HN	833	167	IAML		2309	21.50			10	0.6				
BHPL	HZ	1088	218	EP		2308	31.39	0.51							1.0
BHPL	HN	1088	218	ES		2310	10.97	0.29							1.0
BHPL	HN	1088	218	IAML		2310	20.18			20	0.1				
CNWR	HZ	1123	208	EP		2308	34.83	-0.34							1.0
CNWR	HN	1123	208	ES		2310	18.33	0.24							1.0
CNWR	HN	1123	208	IAML		2310	25.70			15	0.6				
CMPI	HZ	1250	130	EP		2308	50.42	-0.14							1.0
CMPI	HN	1250	130	ES		2310	44.55	-0.17							1.0
CMPI	HE	1250	130	IAML		2311	03.79			98	0.1				
CMPI	HN	1250	130	IAML		2311	03.82			61	0.1				

December 6 2022 Hour: 5:56 11.2

Ag: NCS Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CMBY	HZ			EP		0613	28.83								
DGPR	HZ			EP		0614	09.29								
CHT	HZ			EP		0615	38.30								
KOD	BZ			EP		0615	37.82								
SAIH	SZ			EP		0615	10.10								
CMPI	HZ			EP		0615	18.07								
IMP	SZ			EP		0615	24.47								
MOKO	SZ			EP		0615	32.68								
KOHI	SZ			EP		0615	32.68								
MYSR	HZ			EP		0615	46.40								
SHL	HZ			EP		0615	36.28								
VISK	HZ			EP		0615	32.24								
ATP	HZ			EP		0615	50.44								
BWNR	BZ			EP		0615	32.68								
VJD	BZ			EP		0615	48.06								
KNL	HZ			EP		0615	56.51								
BLRY	HZ			EP		0616	04.60								
HYB	HZ			EP		0615	58.53								
BOKR	HZ			EP		0615	52.47								
SLPR	HZ			EP		0616	30.90								
RAIP	HZ			EP		0616	02.58								
KAD	BZ			EP		0616	26.98								
LATR	BZ			EP		0616	18.78								
P00	HZ			EP		0616	30.90								
NGP	BZ			EP		0616	12.64								
CNWR	HZ			EP		0616	22.81								
JBPL	HZ			EP		0616	18.76								

ALBI	BZ	EP	0616	19.89
BHPL	HZ	EP	0616	34.95
INDR	HZ	EP	0616	38.99
BHV	BZ	EP	0616	58.89
PTH	BZ	EP	0616	49.51
NDI	HZ	EP	0617	01.79
AJM	BZ	EP	0617	05.05
KUDL	HZ	EP	0617	01.79
HNLY	BZ	EP	0617	17.37
SMLA	HZ	EP	0617	15.41
SDNR	BZ	EP	0617	16.13
ALCI	BZ	EP	0617	37.90
DHRM	HZ	EP	0617	23.50
UDMP	HZ	EP	0617	39.68

December 6 2022 Hour: 6: 7 49.7 Lat: 10.72S Lon: 113.38E D: 10.0F Ag: NCS Distant

Magnitudes: 5.4MW NCS

Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CMBY	HZ	2927	312	EP		0613	25.82	-0.01							0.0
DGPR	HZ	3476	319	EP		0614	09.80	0.00							1.0
SAIH	SZ	4295	329	EP		0615	13.14	-0.01							1.0
CMPI	HZ	4370	330	EP		0615	18.96	-0.04							1.0
IMP	SZ	4463	332	EP		0615	25.69	-0.02							1.0
KOHI	SZ	4540	333	EP		0615	31.58	0.10							1.0
VISK	HZ	4562	313	EP		0615	32.94	-0.08							1.0
BWNR	BZ	4566	319	EP		0615	33.39	-0.00							1.0
MOKO	SZ	4578	334	EP		0615	34.37	0.04							1.0
KOD	BZ	4601	299	EP		0615	36.01	0.06							1.0
CHT	HZ	4603	298	EP		0615	36.02	-0.01							1.0
SHL	HZ	4636	330	EP		0615	38.37	-0.16							1.0
MYSR	HZ	4806	301	EP		0615	50.88	-0.01							1.0
ATP	HZ	4836	305	EP		0615	53.07	-0.05							1.0
BOKR	HZ	4851	322	EP		0615	54.28	0.05							1.0
KNL	HZ	4873	306	EP		0615	55.78	-0.03							1.0
HYB	HZ	4935	309	EP		0616	00.34	0.00							1.0
RAIP	HZ	4950	316	EP		0616	01.41	-0.02							1.0
KLBG	HZ	5076	307	EP		0616	10.33	-0.03							1.0
NGP	BZ	5151	313	EP		0616	15.75	0.10							1.0
SUPA	HZ	5157	303	EP		0616	16.17	0.01							1.0
LATR	BZ	5173	308	EP		0616	17.29	0.01							1.0
SLPR	HZ	5178	307	EP		0616	17.67	0.03							1.0
CNWR	HZ	5223	314	EP		0616	20.84	0.04							1.0
JBPL	HZ	5229	316	EP		0616	21.12	-0.02							1.0
ALBI	BZ	5255	320	EP		0616	23.06	0.05							1.0
KAD	BZ	5310	305	EP		0616	26.78	-0.01							1.0
POO	HZ	5414	306	EP		0616	33.97	-0.03							1.0
BHPL	HZ	5427	314	EP		0616	34.93	-0.02							1.0
INDR	HZ	5498	312	EP		0616	39.85	0.01							1.0
JHNI	BZ	5498	317	EP		0616	39.81	0.03							1.0
PTH	BZ	5706	322	EP		0616	54.11	0.13							1.0
BHV	BZ	5761	309	EP		0616	57.58	-0.08							1.0
UDPR	BZ	5815	313	EP		0617	01.47	0.14							1.0
KUDL	HZ	5854	318	EP		0617	03.99	0.03							1.0
AJM	BZ	5870	315	EP		0617	04.94	-0.05							1.0
SMLA	HZ	6032	321	EP		0617	15.55	-0.13							1.0
HNLY	BZ	6044	324	EP		0617	16.71	0.17							1.0
SDNR	BZ	6082	322	EP		0617	19.02	0.02							1.0
DHRM	HZ	6178	322	EP		0617	25.12	-0.12							1.0
THN	BZ	6227	322	EP		0617	28.48	0.11							1.0
ALCI	BZ	6274	324	EP		0617	31.21	-0.21							1.0

December 6 2022 Hour: 16:35.1 Lat: 38.83N Lon: 70.76E D: 59.9 Ag: NCS Regional

Magnitudes: 4.2ML NCS 4.4MW NCS Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	642	144	EP		1605	17.01	0.26							1.0
SRIN	BE	642	144	ES		1606	17.36	0.27							1.0
SRIN	BE	642	144	IAML		1606	55.34		1151	0.2					
SRIN	BN	642	144	IAML		1606	55.61		889	0.1					
JMU	BZ	765	150	EP		1605	31.98	0.22							1.0
JMU	BN	765	150	IAML		1606	52.49		244	0.7					
JMU	BE	765	150	IAML		1606	59.65		367	0.6					
ALCI	BZ	770	130	EP		1605	32.45	0.09							1.0
ALCI	BN	770	130	ES		1606	43.83	-0.26							1.0
ALCI	BE	770	130	IAML		1606	56.99		53	0.5					
ALCI	BN	770	130	IAML		1606	57.88		65	0.6					
THN	BZ	843	146	EP		1605	41.23	-0.02							1.0
THN	BN	843	146	ES		1606	59.05	-0.42							1.0
DHRM	HZ	886	144	EP		1605	46.70	0.14							1.0
DHRM	HE	886	144	ES		1607	08.85	0.20							1.0
DHRM	HN	886	144	IAML		1607	16.33		338	0.7					
SDNR	BZ	983	143	EP		1605	57.35	-1.01							1.0
SDNR	BE	983	143	ES		1607	28.77	-0.31							1.0
SDNR	BE	983	143	IAML		1607	36.80		67	0.3					
SDNR	BN	983	143	IAML		1607	41.35		57	0.9					
BHK	BZ	998	144	EP		1605	59.72	-0.49							1.0
BHK	BN	998	144	ES		1607	32.41	0.14							1.0
BHK	BE	998	144	IAML		1607	39.16		146	1.8					
BHK	BN	998	144	IAML		1607	41.55		163	1.5					
SMLA	HZ	1035	144	EP		1606	05.05	0.40							1.0
SMLA	HE	1035	144	ES		1607	40.13	0.17							1.0
SMLA	HE	1035	144	IAML		1607	47.86		112	0.6					
SMLA	HN	1035	144	IAML		1607	49.80		87	0.7					
JOSI	BZ	1220	136	EP		1606	27.67	0.41							1.0
JOSI	BE	1220	136	ES		1608	19.27	0.20							1.0
JOSI	BN	1220	136	IAML		1608	33.98		68	0.7					
JOSI	BE	1220	136	IAML		1608	34.16		62	1.3					

December 6 2022 Hour: 19:42.32.5 Lat: 26.38N Lon: 93.17E D: 24.4 Ag: NCS Local

Magnitudes: 3.5ML NCS 3.7MW NCS Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOHI	SZ	119	128	EP		1942	52.14	-0.12							1.0
KOHI	SN	119	128	ES		1943	06.36	-0.35							1.0
KOHI	SN	119	128	IAML		1943	07.16		1336	0.4					
KOHI	SE	119	128	IAML		1943	07.17		1556	0.3					
ZIRO	SZ	144	28	EP		1942	55.53	-0.04							1.0
ZIRO	SN	144	28	ES		1943	12.16	-0.27							1.0
ZIRO	SE	144	28	IAML		1943	15.32		3235	0.6					
SHL	HZ	148	233	EP		1942	56.13	0.04							1.0
SHL	HE	148	233	ES		1943	13.19	-0.14							1.0
SHL	HE	148	233	IAML		1943	13.96		1461	0.2					
SHL	HN	148	233	IAML		1943	14.05		1517	0.2					
TAWA	SZ	187	316	EP		1943	01.76	1.00							1.0
TAWA	SN	187	316	ES		1943	21.27	-0.14							1.0
TAWA	SE	187	316	IAML		1943	24.74		889	0.1					
IMP	SZ	188	155	EP		1943	01.26	0.34							1.0
IMP	SE	188	155	ES		1943	22.08	0.39							1.0
IMP	SN	188	155	IAML		1943	23.35		200	0.4					
IMP	SE	188	155	IAML		1943	24.55		95	1.0					
TURA	SZ	310	253	EP		1943	15.54	-0.27							1.0
TURA	SN	310	253	ES		1943	47.33	-0.11							1.0
TURA	SE	310	253	IAML		1943	47.98		497	0.3					
TURA	SN	310	253	IAML		1943	48.03		580	0.3					
CMPI	HZ	320	177	EP		1943	17.29	0.11							1.0
CMPI	HN	320	177	ES		1943	49.51	-0.31							1.0

CMPI	HE	320	177	IAML	1943	54.14			275	0.5					
CMPI	HN	320	177	IAML	1943	54.97			367	0.4					
SAIH	SZ	431	182	EP	1943	30.68	0.04								1.0
SAIH	SN	431	182	ES	1944	13.24	0.14								1.0
SAIH	SN	431	182	IAML	1944	18.87			91	0.9					
SAIH	SE	431	182	IAML	1944	20.16			147	0.5					
GTK	SN	466	284	ES	1944	20.11	-0.29								1.0
GTK	SN	466	284	IAML	1944	24.50			61	0.2					
GTK	SE	466	284	IAML	1944	25.20			90	0.6					

December 6 2022 Hour: 19:54 11.5 Lat: 5.16N Lon: 89.62E D: 20.0F Ag: NCS Regional

Magnitudes: 4.1ML NCS 4.1MW NCS

Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CMBY	HZ	527	65	EP		1955	21.35	-0.31							1.0
CMBY	HE	527	65	ES		1956	13.58	0.66							1.0
CMBY	HN	527	65	IAML		1956	49.34			466	0.5				
CMBY	HE	527	65	IAML		1956	51.34			352	0.5				
SALM	BZ	1452	300	EP		1957	14.46	-0.20							1.0
SALM	BN	1452	300	ES		1959	28.57	0.17							1.0
SALM	BN	1452	300	IAML		2000	08.33			56	0.5				
SALM	BE	1452	300	IAML		2000	08.99			40	0.4				
KOD	BZ	1453	293	EP		1957	14.35	-0.41							1.0
KOD	BN	1453	293	ES		1959	27.89	-0.69							1.0
KOD	BN	1453	293	IAML		2000	14.66			20	0.6				
KOD	BE	1453	293	IAML		2000	19.21			18	0.8				
CHT	HZ	1462	291	EP		1957	17.50	1.64							0.9
CHT	HN	1462	291	ES		1959	41.76	-1.65							0.9
CHT	HN	1462	291	IAML		2000	24.10			20	0.9				
CHT	HE	1462	291	IAML		2000	24.97			17	1.0				
ATP	HZ	1677	309	EP		1957	43.49	0.34							1.0
ATP	HN	1677	309	ES		2000	29.52	-0.88							1.0
KNL	HZ	1726	314	EP		1957	48.78	-0.13							1.0
KNL	HE	1726	314	ES		2000	41.46	0.39							1.0
HYB	HZ	1815	319	EP		1957	59.45	0.22							1.0
HYB	HN	1815	319	ES		2001	01.55	1.06							1.0
SLPR	HZ	2035	314	EP		1958	24.17	0.31							1.0
SLPR	HN	2035	314	ES		2001	49.65	1.36							0.9
LATR	BZ	2043	317	EP		1958	25.05	0.04							1.0
LATR	BN	2043	317	ES		2001	49.64	-0.49							1.0
TAWA	SZ	2494	5	EP		1959	07.34	-1.60							0.9
TAWA	SN	2494	5	ES		2003	13.88	-1.70							0.9
ZIRO	SZ	2516	10	EP		1959	09.40	-1.60							0.9
ZIRO	SN	2516	10	ES		2003	19.84	0.49							1.0
KUDL	HZ	2898	333	EP		1959	44.05	0.45							1.0
SMLA	HZ	3156	337	EP		2000	04.88	0.52							1.0
SMLA	HN	3156	337	ES		2004	52.06	0.87							1.0
SDNR	BZ	3208	337	EP		2000	08.60	0.02							1.0
SDNR	BN	3208	337	ES		2004	58.75	0.11							1.0
DHRM	HZ	3304	337	EP		2000	16.78	0.52							1.0
DHRM	HN	3304	337	ES		2005	12.14	-0.08							1.0

December 7 2022 Hour: 3:45 48.3 Lat: 32.72N Lon: 75.62E D: 8.1 Ag: NCS Local

Magnitudes: 2.6ML NCS 2.8MW NCS

Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
THN	BZ	35	150	EP		0345	54.76	0.13							1.0
THN	BN	35	150	ES		0345	59.19	-0.05							1.0
DHRM	HZ	83	129	EP		0346	03.19	0.38							1.0
DHRM	HN	83	129	ES		0346	13.49	0.09							1.0
DHRM	HN	83	129	IAML		0346	15.95			176	0.3				
DHRM	HE	83	129	IAML		0346	17.70			347	0.6				
SDNR	BZ	178	137	EP		0346	16.32	-1.17							1.0
SDNR	BN	178	137	ES		0346	38.68	-0.10							1.0
SDNR	BE	178	137	IAML		0346	40.83			85	0.2				
SDNR	BN	178	137	IAML		0346	41.73			56	0.3				

BHK	BZ	192	139	EP	0346	19.05-0.15										1.0
BHK	BN	192	139	IAML	0346	39.35		250	1.0							
BHK	BN	192	139	ES	0346	41.21-0.53										1.0
ALCI	BZ	221	41	EP	0346	22.56-0.10										1.0
ALCI	BN	221	41	ES	0346	48.57 0.84										1.0
ALCI	BN	221	41	IAML	0346	51.11		43	0.4							
SMLA	HZ	229	140	EP	0346	24.21 0.55										1.0
SMLA	HN	229	140	ES	0346	50.83 1.37										1.0
SMLA	HE	229	140	IAML	0346	51.94		109	0.3							
SMLA	HN	229	140	IAML	0346	53.04		97	0.4							
HNLY	BZ	314	88	EP	0346	33.55-0.56										1.0
HNLY	BE	314	88	ES	0347	06.83-0.71										1.0
HNLY	BN	314	88	IAML	0347	18.56		7	0.3							
HNLY	BE	314	88	IAML	0347	19.75		4	0.5							

December 7 2022 Hour: 19:25 50.8 Lat: 35.99N Lon: 70.95E D:130.0F Ag: NCS Regional

Magnitudes: 3.6ML NCS 3.8MW NCS

Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	412	120	EP		1926	46.62	0.12							1.0
SRIN	BN	412	120	ES		1927	26.41-0.71								1.0
SRIN	BE	412	120	IAML		1927	33.43			1124	0.6				
SRIN	BN	412	120	IAML		1927	42.19			868	0.5				
JMU	BZ	504	134	EP		1926	57.65	0.26							1.0
JMU	BN	504	134	ES		1927	45.92-0.06								1.0
JMU	BN	504	134	IAML		1927	54.50			183	0.6				
JMU	BE	504	134	IAML		1927	55.16			127	0.7				
ALCI	BZ	601	107	EP		1927	08.76-0.26								1.0
ALCI	BE	601	107	ES		1928	06.48	0.39							1.0
DHRM	HZ	645	129	EP		1927	13.70-0.57								1.0
DHRM	HE	645	129	ES		1928	15.59	0.41							1.0
DHRM	HE	645	129	IAML		1928	22.00			147	0.4				
DHRM	HN	645	129	IAML		1928	22.71			135	0.7				
SDNR	BZ	740	130	EP		1927	25.80	0.14							1.0
SDNR	BN	740	130	ES		1928	34.90	0.03							1.0
SDNR	BN	740	130	IAML		1928	40.37			16	0.5				
SDNR	BE	740	130	IAML		1928	41.63			22	0.9				
SMLA	HZ	790	131	EP		1927	31.49-0.10								1.0
SMLA	HE	790	131	IAML		1928	49.76			36	0.5				
SMLA	HN	790	131	IAML		1928	50.57			23	0.7				
JOSI	BZ	1002	125	EP		1927	57.54	0.41							1.0
JOSI	BN	1002	125	ES		1929	29.26-0.06								1.0
JOSI	BN	1002	125	IAML		1929	34.52			8	0.4				
JOSI	BE	1002	125	IAML		1929	36.34			13					

December 7 2022 Hour: 20:18 0.8 Lat: 9.55S Lon: 158.20E D: 10.0F Ag: NCS Distant

Magnitudes: 5.3MW NCS

Rms: 0.7 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IMP	SZ	7938	300	EP		2029	21.60	0.66							1.0
SAIH	SZ	7943	298	EP		2029	20.69-0.58								1.0
CMPI	HZ	7948	299	EP		2029	20.68-1.05								1.0
SHL	HZ	8151	300	EP		2029	32.64	0.22							1.0
TAWA	SZ	8239	302	EP		2029	37.37	0.34							1.0
TURA	SZ	8317	300	EP		2029	41.06-0.07								1.0
BOKR	HZ	8680	297	EP		2029	59.39-0.28								1.0
RAGD	BZ	8791	292	EP		2030	06.48	1.27							0.9
KNKR	BZ	8916	288	EP		2030	11.38	0.11							1.0
CHT	HZ	9223	281	EP		2030	25.88	0.07							1.0
HYB	HZ	9250	289	EP		2030	27.12-0.03								1.0
JBPL	HZ	9250	295	EP		2030	27.12	0.08							1.0
KNL	HZ	9266	287	EP		2030	27.61-0.22								1.0
LGTI	BZ	9400	301	EP		2030	33.13-0.87								1.0
JOSI	BZ	9481	302	EP		2030	38.79	1.20							1.0
LATR	BZ	9483	289	EP		2030	39.28	1.52							0.9
BHPL	HZ	9503	294	EP		2030	38.61	0.03							1.0

SLPR	HZ	9529	289	EP	2030	38.10	-1.71									0.9
INDR	HZ	9637	293	EP	2030	44.21	-0.37									1.0
KUDL	HZ	9711	299	EP	2030	47.82	0.03									1.0
SMLA	HZ	9717	302	EP	2030	47.93	-0.10									1.0
SDNR	BZ	9752	302	EP	2030	49.70	0.13									1.0
DHRM	HZ	9825	303	EP	2030	52.36	-0.33									1.0

December 8 2022 Hour: 6:42 15.0

Ag: NCS Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
UDMP	HZ			EP		0647	29.08								
JASL	BZ			EP		0647	36.56								
ALCI	BZ			EP		0647	37.39								
DHRM	HZ			EP		0647	38.06								
SDNR	BZ			EP		0647	47.53								
BHK	BZ			EP		0647	48.91								
SMLA	HZ			EP		0647	51.76								
HNLY	BZ			EP		0647	55.24								
KUDL	HZ			EP		0648	01.83								
NDI	HZ			EP		0648	04.43								
UDPR	BZ			EP		0648	07.28								
PTH	BZ			EP		0648	18.68								
JHNI	BZ			EP		0648	31.03								
INDR	HZ			EP		0648	31.83								
BHPL	HZ			EP		0648	37.68								
HING	HZ			EP		0648	57.95								
NGP	BZ			EP		0648	59.22								
LATR	BZ			EP		0649	03.02								
BLRY	HZ			EP		0649	22.34								
BOKR	HZ			EP		0649	20.41								
SHBG	BZ			EP		0649	27.63								
KNL	HZ			EP		0649	28.04								
MYSR	HZ			EP		0649	43.24								
SHL	HZ			EP		0649	51.79								
KOD	BZ			EP		0650	01.93								
MOKO	SZ			EP		0650	03.83								
CMPI	HZ			EP		0650	10.16								
SAIH	SZ			EP		0650	13.65								
AJM	BZ			EP		0648	01.90								

December 8 2022 Hour: 20:14 1.3 Lat: 36.17N Lon: 71.02E D: 10.0F

Ag: NCS Regional

Magnitudes: 3.5ML NCS 3.3MW NCS

Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	417	123	EP		2002	39.52	0.15							1.0
SRIN	BE	417	123	ES		2003	21.92	0.14							1.0
SRIN	BE	417	123	IAML		2004	59.53			1336	0.4				
SRIN	BN	417	123	IAML		2005	00.95			688	0.3				
JMU	BZ	514	136	EP		2002	51.78	0.64							1.0
JMU	BE	514	136	IAML		2003	47.52			49	0.4				
JMU	BN	514	136	IAML		2003	47.85			159	0.4				
UDMP	HZ	522	133	EP		2002	51.44	-0.65							1.0
UDMP	HN	522	133	ES		2003	43.40	-0.39							1.0
THN	BZ	604	132	EP		2003	01.40	-0.76							1.0
THN	BN	604	132	ES		2004	01.73	0.51							1.0
DHRM	HZ	653	130	EP		2003	07.07	-1.09							1.0
DHRM	HN	653	130	ES		2004	10.78	-0.82							1.0
DHRM	HE	653	130	IAML		2004	14.50			72	0.7				
DHRM	HN	653	130	IAML		2004	16.46			57	0.2				
SDNR	BZ	749	132	EP		2003	20.21	0.40							1.0
SDNR	BN	749	132	ES		2004	32.11	0.36							1.0
SDNR	BE	749	132	IAML		2004	32.75			29	0.5				
SDNR	BN	749	132	IAML		2004	34.21			26	0.4				
SMLA	HZ	799	133	EP		2003	26.26	0.38							1.0
SMLA	HN	799	133	ES		2004	42.73	0.47							1.0
SMLA	HE	799	133	IAML		2004	44.53			33	0.2				

JOSI	BZ	1009	126	EP	2003	52.44	0.91										1.0
JOSI	BN	1009	126	ES	2005	26.38	-0.25										1.0
JOSI	BN	1009	126	IAML	2005	31.61				16	0.6						
JOSI	BE	1009	126	IAML	2005	31.81				18	0.5						

December 8 2022 Hour: 22:54 20.7 Lat: 27.16N Lon: 92.18E D: 10.0 Ag: NCS Local

Magnitudes: 3.5ML NCS 3.5MW NCS				Rms: 0.6 secs													
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT		
TAWA	SZ	57	327	EP		2254	30.58	-0.14							1.0		
TAWA	SN	57	327	ES		2254	37.63	-0.43							1.0		
TAWA	SN	57	327	IAML		2254	39.15			6200	0.1						
TAWA	SE	57	327	IAML		2254	39.24			11283	0.5						
ZIRO	SZ	170	76	EP		2254	49.07	0.52							1.0		
ZIRO	SN	170	76	ES		2255	09.48	0.56							1.0		
ZIRO	SN	170	76	IAML		2255	13.71			5714	0.4						
ZIRO	SE	170	76	IAML		2255	16.90			4638	0.4						
SHL	HZ	177	186	EP		2254	49.33	-0.10							1.0		
SHL	HE	177	186	IAML		2255	08.97			940	0.4						
SHL	HN	177	186	IAML		2255	09.19			926	0.1						
SHL	HN	177	186	ES		2255	10.03	-0.41							1.0		
KOHI	SZ	250	129	EP		2254	57.63	-0.65							1.0		
KOHI	SN	250	129	ES		2255	25.28	-0.47							1.0		
KOHI	SN	250	129	IAML		2255	30.56			458	0.3						
KOHI	SE	250	129	IAML		2255	38.76			554	0.9						
TURA	SZ	267	227	EP		2255	00.01	-0.32							1.0		
TURA	SN	267	227	ES		2255	29.55	0.25							1.0		
TURA	SE	267	227	IAML		2255	30.41			892	0.4						
TURA	SN	267	227	IAML		2255	30.55			953	0.4						
IMP	SZ	313	145	EP		2255	06.41	0.48							1.0		
IMP	SE	313	145	ES		2255	39.45	0.47							1.0		
IMP	SN	313	145	IAML		2255	48.97			61	0.6						
IMP	SE	313	145	IAML		2255	49.13			85	0.6						
GTK	SN	355	274	ES		2255	48.83	0.89							1.0		
GTK	SN	355	274	IAML		2256	01.29			231	0.4						
GTK	SE	355	274	IAML		2256	01.36			350	0.5						
CMPI	HZ	422	164	EP		2255	18.68	-0.75							1.0		
CMPI	HE	422	164	ES		2256	01.75	-0.59							1.0		
CMPI	HN	422	164	IAML		2256	04.24			29	0.2						
CMPI	HE	422	164	IAML		2256	05.04			61	0.9						
SAIH	SZ	524	171	EP		2255	30.98	-0.77							1.0		
SAIH	SE	524	171	ES		2256	25.09	1.44							1.0		
SAIH	SE	524	171	IAML		2256	25.82			36	0.3						
SAIH	SN	524	171	IAML		2256	27.95			20	0.4						

December 9 2022 Hour: 0:46 5.7 Lat: 36.51N Lon: 71.35E D: 12.1 Ag: NCS Regional

Magnitudes: 3.3ML NCS 3.3MW NCS				Rms: 0.2 secs													
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT		
SRIN	BZ	416	130	EP		0047	03.11	-0.26							1.0		
SRIN	BE	416	130	ES		0047	45.60	0.13							1.0		
SRIN	BN	416	130	IAML		0047	46.33			616	0.2						
SRIN	BE	416	130	IAML		0047	46.42			889	0.2						
UDMP	HZ	528	138	EP		0047	16.74	-0.22							1.0		
UDMP	HN	528	138	ES		0048	09.15	0.16							1.0		
THN	BZ	609	136	EP		0047	27.07	0.14							1.0		
THN	BN	609	136	ES		0048	25.98	-0.24							1.0		
DHRM	HZ	656	135	EP		0047	32.81	0.06							1.0		
DHRM	HN	656	135	ES		0048	36.31	0.01							1.0		
DHRM	HE	656	135	IAML		0048	45.63			25	0.2						
DHRM	HN	656	135	IAML		0048	47.04			33	0.3						
SDNR	BZ	753	135	EP		0047	44.67	0.16							1.0		
SDNR	BN	753	135	ES		0048	56.58	-0.06							1.0		
SDNR	BE	753	135	IAML		0049	04.92			9	0.1						
SDNR	BN	753	135	IAML		0049	05.14			10	0.3						
SMLA	HZ	804	136	EP		0047	50.79	0.11							1.0		

SMLA	HN	804	136	ES	0049	07.30-0.01											1.0
SMLA	HE	804	136	IAML	0049	16.29				14	0.3						

December 9 2022 Hour: 15:40 44.6 Lat: 26.17N Lon: 95.32E D: 95.0F Ag: NCS Regional
Magnitudes: 4.2ML NCS 4.1MW NCS Rms: 0.7 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOHI	SZ	131	248	EP		1541	07.40	0.62							1.0
KOHI	SN	131	248	ES		1541	22.31	-0.66							1.0
KOHI	SN	131	248	IAML		1541	26.96			3125	0.5				
KOHI	SE	131	248	IAML		1541	29.17			2929	0.8				
ITAN	SZ	193	305	EP		1541	12.63	-0.95							1.0
ITAN	SN	193	305	ES		1541	34.21	-0.53							1.0
ITAN	SN	193	305	IAML		1541	35.80			5527	0.2				
ITAN	SE	193	305	IAML		1541	36.74			5203	0.2				
IMP	SZ	203	223	EP		1541	13.67	-1.02							1.0
IMP	SN	203	223	IAML		1541	36.26			2450	0.2				
IMP	SE	203	223	ES		1541	37.35	0.69							1.0
IMP	SE	203	223	IAML		1541	38.93			1121	0.6				
ZIRO	SZ	210	316	EP		1541	15.60	0.04							1.0
ZIRO	SE	210	316	ES		1541	38.39	0.22							1.0
ZIRO	SE	210	316	IAML		1541	39.20			8363	0.4				
ZIRO	SN	210	316	IAML		1541	39.82			9241	0.3				
SHL	HZ	341	259	EP		1541	31.79	0.75							1.0
SHL	HN	341	259	ES		1542	05.91	0.97							1.0
SHL	HE	341	259	IAML		1542	06.47			939	0.1				
SHL	HN	341	259	IAML		1542	06.88			1314	0.2				
CMPI	HZ	359	215	EP		1541	33.76	0.30							1.0
CMPI	HN	359	215	ES		1542	08.41	-0.73							1.0
CMPI	HN	359	215	IAML		1542	11.06			1174	0.4				
CMPI	HE	359	215	IAML		1542	11.55			1244	0.2				
TAWA	SZ	378	295	EP		1541	36.30	0.79							1.0
TAWA	SN	378	295	ES		1542	12.52	-0.15							1.0
TAWA	SE	378	295	IAML		1542	16.00			4261	0.3				
TAWA	SN	378	295	IAML		1542	16.40			2518	0.1				
SAIH	SZ	471	211	EP		1541	47.39	0.55							1.0
SAIH	SN	471	211	ES		1542	31.67	-0.61							1.0
SAIH	SE	471	211	IAML		1542	36.71			589	0.4				
SAIH	SN	471	211	IAML		1542	37.45			247	0.3				
AGT	SE	483	239	ES		1542	35.63	1.01							1.0
AGT	SN	483	239	IAML		1542	38.08			455	0.6				
AGT	SE	483	239	IAML		1542	38.70			695	0.2				
TURA	SZ	516	263	EP		1541	51.97	-0.24							1.0
TURA	SN	516	263	ES		1542	40.02	-1.55							1.0
TURA	SE	516	263	IAML		1542	41.59			773	0.4				
TURA	SN	516	263	IAML		1542	42.01			841	0.2				
GTK	SN	681	282	ES		1543	16.67	0.53							1.0
GTK	SE	681	282	IAML		1543	19.32			167	0.2				
GTK	SN	681	282	IAML		1543	19.39			223	0.3				

December 9 2022 Hour: 17:58 50.1 Lat: 24.06N Lon: 94.01E D: 92.6 Ag: NCS Local
Magnitudes: 3.1ML NCS 3.3MW NCS Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IMP	SZ	86	356	EP		1759	07.24	-0.31							1.0
IMP	SN	86	356	ES		1759	19.62	-0.67							1.0
IMP	SN	86	356	IAML		1759	21.42			126	0.7				
IMP	SE	86	356	IAML		1759	24.39			115	0.2				
CMPI	HZ	95	229	EP		1759	08.08	-0.48							1.0
CMPI	HN	95	229	ES		1759	23.40	1.35							1.0
CMPI	HE	95	229	IAML		1759	26.31			1424	0.5				
CMPI	HN	95	229	IAML		1759	26.80			1000	0.2				
KOHI	SZ	185	3	EP		1759	18.20	0.17							1.0
KOHI	SN	185	3	ES		1759	38.07	-0.36							1.0
KOHI	SN	185	3	IAML		1759	43.35			254	0.5				
SAIH	SZ	203	211	EP		1759	19.62	-0.53							1.0

SAIH	SN	203	211	ES	1759	41.89	-0.20										1.0
SAIH	SE	203	211	IAML	1759	45.26			54	0.4							
ITAN	SZ	343	355	EP	1759	37.32	0.52										1.0
ITAN	SE	343	355	IAML	1800	09.91			77	0.2							
ITAN	SN	343	355	IAML	1800	10.44			66	0.2							
ITAN	SN	343	355	ES	1800	11.53	0.63										1.0
ZIRO	SZ	385	358	EP	1759	41.92	0.14										1.0
ZIRO	SN	385	358	ES	1800	19.82	0.30										1.0
ZIRO	SE	385	358	IAML	1800	25.04			86	0.5							
TURA	SZ	415	294	EP	1759	45.07	-0.39										1.0
TURA	SN	415	294	ES	1800	25.72	-0.17										1.0
TURA	SN	415	294	IAML	1800	30.49			35	0.1							
TURA	SE	415	294	IAML	1800	30.52			40	0.2							
TAWA	SZ	447	332	EP	1759	49.63	0.37										1.0
TAWA	SN	447	332	ES	1800	32.09	-0.36										1.0
TAWA	SN	447	332	IAML	1800	38.03			128	0.4							

December 9 2022 Hour: 18:052.5 Lat: 32.26N Lon: 76.17E D: 7.8 Ag: NCS Local
Magnitudes: 2.5ML NCS 2.7MW NCS Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DHRM	HZ	13	98	EP		1800	55.19	0.04							1.0
DHRM	HN	13	98	ES		1800	57.12	0.02							1.0
DHRM	HE	13	98	IAML		1800	59.04			746	0.7				
SDNR	BZ	106	139	EP		1801	10.80	-0.19							1.0
SDNR	BN	106	139	ES		1801	24.58	0.09							1.0
SDNR	BE	106	139	IAML		1801	28.84			56	0.4				
SDNR	BN	106	139	IAML		1801	29.10			29	0.4				
BHK	BZ	121	143	EP		1801	13.04	-0.43							1.0
BHK	BN	121	143	ES		1801	29.08	0.29							1.0
BHK	BN	121	143	IAML		1801	30.67			131	0.4				
BHK	BE	121	143	IAML		1801	31.31			102	0.4				
UDMP	HZ	122	306	EP		1801	13.49	-0.19							1.0
UDMP	HN	122	306	ES		1801	29.35	0.20							1.0
SMLA	HZ	158	143	EP		1801	19.37	0.28							1.0
SMLA	HN	158	143	ES		1801	38.39	-0.12							1.0
SMLA	HN	158	143	IAML		1801	40.30			136	0.4				
SMLA	HE	158	143	IAML		1801	40.52			122	0.7				

December 9 2022 Hour: 18:30 1.4 Lat: 19.62N Lon: 76.51E D: 4.3 Ag: NCS Local
Magnitudes: 2.4ML NCS 2.6MW NCS Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
AKL	BZ	131	24	EP		1830	24.41	0.24							1.0
AKL	BE	131	24	ES		1830	40.92	0.12							1.0
AKL	BE	131	24	IAML		1830	41.37			79	0.2				
LATR	BZ	134	179	EP		1830	24.21	-0.47							1.0
LATR	BN	134	179	ES		1830	42.17	0.49							1.0
LATR	BN	134	179	IAML		1830	42.62			25	0.2				
LATR	BE	134	179	IAML		1830	42.73			101	0.2				
SLPR	HZ	224	196	EP		1830	36.26	-0.34							1.0
SLPR	HN	224	196	ES		1831	02.09	-0.21							1.0
SLPR	HE	224	196	IAML		1831	08.31			42	0.3				
SLPR	HN	224	196	IAML		1831	08.60			35	0.2				
KLBG	HZ	257	172	EP		1830	40.62	0.10							1.0
KLBG	HN	257	172	ES		1831	09.46	0.39							1.0
KLBG	HE	257	172	IAML		1831	10.13			81	0.1				
HYB	HZ	325	138	EP		1830	48.67	-0.27							1.0
HYB	HE	325	138	ES		1831	23.55	-0.09							1.0
HYB	HN	325	138	IAML		1831	26.48			11	0.5				
HYB	HE	325	138	IAML		1831	27.03			19	0.7				
KAD	BZ	355	224	EP		1830	52.03	-0.42							1.0
KAD	BN	355	224	ES		1831	30.18	0.47							1.0
KAD	BE	355	224	IAML		1831	53.79			12	0.4				
KAD	BN	355	224	IAML		1831	54.38			6	0.1				

December 9 2022 Hour: 18:41 6.4 Lat: 38.34N Lon: 73.82E D: 10.0F Ag: NCS Regional

Magnitudes: 4.1ML NCS 3.5MW NCS

Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
UDMP	HZ	613	168	EP		1842	29.08	0.68							1.0
UDMP	HN	613	168	ES		1843	27.87	-0.38							1.0
JMU	BZ	623	171	EP		1842	29.51	-0.16							1.0
JMU	BN	623	171	ES		1843	30.69	0.24							1.0
JMU	BE	623	171	IAML		1843	33.71			217	0.3				
JMU	BN	623	171	IAML		1843	34.06			244	0.4				
DHRM	HZ	713	161	EP		1842	40.14	-0.43							1.0
DHRM	HN	713	161	ES		1843	49.47	0.16							1.0
DHRM	HN	713	161	IAML		1843	52.85			143	0.5				
DHRM	HE	713	161	IAML		1843	53.98			407	0.4				
SDNR	BZ	805	159	EP		1842	52.39	0.52							1.0
SDNR	BN	805	159	ES		1844	08.21	-0.64							1.0
SDNR	BN	805	159	IAML		1844	12.47			74	0.3				
SDNR	BE	805	159	IAML		1844	13.41			85	0.5				
BHK	BZ	821	159	EP		1842	53.58	-0.25							1.0
BHK	BN	821	159	IAML		1844	13.83			97	0.3				
BHK	BE	821	159	IAML		1844	14.49			212	0.6				
SMLA	HZ	857	158	EP		1842	58.18	0.09							1.0
SMLA	HE	857	158	ES		1844	19.81	0.19							1.0
SMLA	HE	857	158	IAML		1844	22.17			192	0.6				
SMLA	HN	857	158	IAML		1844	23.12			162	0.4				
JOSI	BZ	1011	147	EP		1843	16.46	-0.50							1.0
JOSI	BN	1011	147	ES		1844	52.22	-0.04							1.0
JOSI	BE	1011	147	IAML		1844	55.45			201	0.7				
JOSI	BN	1011	147	IAML		1844	55.45			143	1.2				
LGTI	BZ	1148	148	EP		1843	33.81	0.03							1.0
LGTI	BE	1148	148	ES		1845	21.84	0.49							1.0

December 9 2022 Hour: 20: 2 0.6 Lat: 6.26N Lon: 126.39E D: 94.4 Ag: NCS Distant

Magnitudes: 5.4MW NCS

Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CMBY	HZ	3589	274	EP		2008	20.22	-0.07							1.0
SAIH	SZ	4010	300	EP		2008	52.89	0.00							1.0
CMPI	HZ	4022	302	EP		2008	53.94	0.02							1.0
IMP	SZ	4023	304	EP		2008	53.93	0.11							1.0
KOHI	SZ	4052	306	EP		2008	55.83	-0.20							1.0
ZIRO	SZ	4167	308	EP		2009	04.82	0.04							1.0
SHL	HZ	4237	304	EP		2009	10.19	0.14							1.0
TAWA	SZ	4344	307	EP		2009	18.13	0.01							1.0
TURA	SZ	4397	303	EP		2009	22.08	0.02							1.0
SHBG	BZ	4628	301	EP		2009	39.16	-0.05							1.0
BOKR	HZ	4744	299	EP		2009	47.60	-0.07							1.0
KNL	HZ	5375	285	EP		2010	32.28	-0.10							1.0
CHT	HZ	5430	278	EP		2010	36.25	0.11							1.0
AKL	BZ	5555	292	EP		2010	44.69	-0.01							1.0
BHPL	HZ	5565	295	EP		2010	45.41	0.05							1.0
JOSI	BZ	5577	305	EP		2010	46.12	0.00							1.0
SLPR	HZ	5622	288	EP		2010	49.45	0.19							1.0
INDR	HZ	5702	294	EP		2010	54.57	-0.03							1.0
KUDL	HZ	5783	301	EP		2011	00.02	-0.04							1.0
SMLA	HZ	5813	305	EP		2011	02.06	0.06							1.0
SDNR	BZ	5851	305	EP		2011	04.54	-0.03							1.0
DHRM	HZ	5930	306	EP		2011	09.79	0.01							1.0
UDPR	BZ	5965	296	EP		2011	11.94	-0.15							1.0
UDMP	HZ	6058	306	EP		2011	18.09	-0.02							1.0

December 10 2022 Hour: 1:22 8.0 Lat: 37.78N Lon: 72.43E D: 30.0 Ag: NCS Regional

Magnitudes: 3.7ML NCS 3.7MW NCS

Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	466	152	EP		0123	09.85	-0.02							1.0
SRIN	BE	466	152	ES		0123	54.94	-0.11							1.0
SRIN	BN	466	152	IAML		0124	02.65			259	0.2				
SRIN	BE	466	152	IAML		0124	03.80			384	0.4				
UDMP	HZ	593	155	EP		0123	25.28	-0.03							1.0
UDMP	HN	593	155	ES		0124	21.86	0.08							1.0
DHRM	HZ	708	149	EP		0123	39.54	0.07							1.0
DHRM	HN	708	149	ES		0124	46.04	-0.23							1.0
DHRM	HE	708	149	IAML		0124	51.22			111	0.3				
DHRM	HN	708	149	IAML		0124	52.43			107	0.5				
SDNR	BZ	805	148	EP		0123	51.13	-0.09							1.0
SDNR	BN	805	148	ES		0125	06.61	0.02							1.0
SDNR	BE	805	148	IAML		0125	12.24			28	0.5				
SDNR	BN	805	148	IAML		0125	12.36			31	0.3				
BHK	BZ	820	148	EP		0123	53.18	0.08							1.0
BHK	BN	820	148	ES		0125	10.00	0.15							1.0
BHK	BE	820	148	IAML		0125	12.67			44	0.4				
SMLA	HZ	857	148	EP		0123	57.58	0.06							1.0
SMLA	HE	857	148	ES		0125	17.57	0.07							1.0
SMLA	HE	857	148	IAML		0125	24.89			112	0.3				
SMLA	HN	857	148	IAML		0125	25.12			60	0.4				
JOSI	BZ	1035	139	EP		0124	19.31	-0.06							1.0
JOSI	BE	1035	139	ES		0125	55.32	0.02							1.0
JOSI	BE	1035	139	IAML		0126	03.72			21	0.4				
JOSI	BN	1035	139	IAML		0126	03.81			35	0.3				

December 10 2022 Hour: 8:34 52.7 Lat: 19.61N Lon: 77.32E D: 4.3 Ag: NCS Local

Magnitudes: 2.8ML NCS 2.6MW NCS

Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HING	HZ	24	281	EP		0834	56.95	-0.00							1.0
HING	HN	24	281	ES		0835	00.15	0.11							1.0
HING	HN	24	281	IAML		0835	01.06			678	0.6				
HING	HE	24	281	IAML		0835	01.09			468	0.6				
AKL	BZ	124	345	EP		0835	14.48	0.15							1.0
AKL	BE	124	345	ES		0835	29.88	-0.22							1.0
AKL	BE	124	345	IAML		0835	31.26			124	0.2				
LATR	BZ	157	212	EP		0835	19.51	-0.16							1.0
LATR	BE	157	212	IAML		0835	32.88			288	0.6				
LATR	BN	157	212	IAML		0835	33.26			86	0.4				
LATR	BE	157	212	ES		0835	39.18	-0.17							1.0
KLBG	HZ	259	191	EP		0835	32.01	-0.10							1.0
KLBG	HE	259	191	IAML		0835	58.51			116	0.1				
KLBG	HN	259	191	ES		0836	00.83	-0.04							1.0
SLPR	HZ	260	215	EP		0835	32.32	-0.03							1.0
SLPR	HN	260	215	IAML		0835	58.53			72	0.2				
SLPR	HE	260	215	IAML		0835	58.68			75	0.2				
SLPR	HN	260	215	ES		0836	01.29	0.01							1.0
HYB	HZ	276	152	EP		0835	34.15	-0.09							1.0
HYB	HN	276	152	ES		0836	04.80	0.24							1.0
HYB	HE	276	152	IAML		0836	11.91			218	0.4				
HYB	HN	276	152	IAML		0836	12.13			138	0.4				
P00	HZ	384	252	EP		0835	47.26	-0.10							1.0
P00	HN	384	252	ES		0836	27.21	-0.05							1.0
P00	HN	384	252	IAML		0836	34.71			32	0.4				
P00	HE	384	252	IAML		0836	35.45			22	0.4				
KAD	BZ	418	233	EP		0835	52.26	0.78							1.0
KAD	BN	418	233	ES		0836	34.28	-0.11							1.0
KAD	BN	418	233	IAML		0836	43.76			16	0.3				
KAD	BE	418	233	IAML		0836	44.29			13	0.5				
KNL	HZ	433	170	EP		0835	53.18	-0.22							1.0

KNL	HN	433	170	ES	0836	37.72	0.01									1.0
KNL	HN	433	170	IAML	0836	46.08				25	0.3					
KNL	HE	433	170	IAML	0836	46.54				35	0.2					

December 10 2022 Hour: 21:39 1.1

Ag: NCS Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DGPR	HZ			EP		2140	18.50								
DGPR	HN			ES		2140	34.17								
CMBY	HZ			EP		2142	00.78								
CMBY	HN			ES		2143	01.75								
KNL	HZ			EP		2142	32.11								
KNL	HE			ES		2145	28.22								
SAIH	SZ			EP		2142	49.00								
SAIH	SN			ES		2144	51.66								
CMPI	HZ			EP		2143	14.05								
CMPI	HE			ES		2145	11.91								
SMLA	HZ			EP		2143	26.01								
SMLA	HN			ES		2144	42.67								
DHRM	HZ			EP		2143	07.32								
DHRM	HN			ES		2144	12.84								
UDMP	HZ			EP		2142	52.99								
UDMP	HN			ES		2143	47.63								
SRIN	BZ			EP		2143	22.49								
SRIN	BN			ES		2146	45.50								

December 10 2022 Hour: 23:12 27.5 Lat: 37.37N Lon: 72.26E D:211.9

Ag: NCS Regional

Magnitudes: 3.0ML NCS 3.3MW NCS						Rms: 0.1 secs									
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
UDMP	HZ	559	151	EP		2313	42.78	-0.05							1.0
UDMP	HN	559	151	ES		2314	37.96	0.13							1.0
JMU	BZ	561	155	EP		2313	42.90	-0.15							1.0
JMU	BN	561	155	ES		2314	38.23	0.03							1.0
JMU	BN	561	155	IAML		2314	44.64			34	0.4				
JMU	BE	561	155	IAML		2314	45.09			44	0.4				
DHRM	HZ	678	146	EP		2313	56.67	-0.02							1.0
DHRM	HN	678	146	ES		2315	01.67	-0.13							1.0
DHRM	HN	678	146	IAML		2315	04.23			24	0.5				
DHRM	HE	678	146	IAML		2315	05.98			26	0.4				
SDNR	BZ	775	145	EP		2314	08.31	0.30							1.0
SDNR	BE	775	145	ES		2315	21.37	-0.03							1.0
SDNR	BN	775	145	IAML		2315	25.12			4	0.4				
SDNR	BE	775	145	IAML		2315	25.20			5	0.2				
SMLA	HZ	827	145	EP		2314	14.01	-0.08							1.0
SMLA	HN	827	145	IAML		2315	39.56			8	0.3				
SMLA	HE	827	145	IAML		2315	41.03			10	1.7				

December 11 2022 Hour: 1:53 0.4 Lat: 34.45N Lon: 69.40E D: 10.0F

Ag: NCS Regional

Magnitudes: 4.0ML NCS 3.6MW NCS						Rms: 0.6 secs									
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	499	94	EP		0154	08.22	-0.32							1.0
SRIN	BN	499	94	ES		0154	59.13	0.87							1.0
SRIN	BE	499	94	IAML		0155	06.92			1520	0.8				
SRIN	BN	499	94	IAML		0155	23.59			2195	0.9				
JMU	BZ	537	109	EP		0154	13.36	0.24							1.0
JMU	BE	537	109	ES		0155	05.93	-0.24							1.0
JMU	BE	537	109	IAML		0155	24.78			366	1.3				
JMU	BN	537	109	IAML		0155	27.84			518	0.7				
UDMP	HZ	557	106	EP		0154	14.86	-0.71							1.0
UDMP	HE	557	106	ES		0155	09.76	-0.66							1.0
THN	BZ	635	109	EP		0154	24.45	-0.72							1.0
THN	BN	635	109	ES		0155	26.92	-0.11							1.0
DHRM	HZ	687	109	EP		0154	31.25	-0.28							1.0
DHRM	HN	687	109	ES		0155	37.84	-0.18							1.0
DHRM	HE	687	109	IAML		0156	08.05			385	0.6				

DHRM	HN	687	109	IAML	0156	11.90		232	1.1	
SDNR	BZ	772	113	EP	0154	42.15	0.31			1.0
SDNR	BN	772	113	ES	0155	56.32	0.45			1.0
SDNR	BN	772	113	IAML	0155	57.94		35	0.6	
SDNR	BE	772	113	IAML	0155	58.17		40	0.9	
BHK	BZ	782	114	EP	0154	44.24	1.18			1.0
BHK	BN	782	114	ES	0155	58.40	0.43			1.0
BHK	BN	782	114	IAML	0156	27.06		115	1.0	
BHK	BE	782	114	IAML	0156	27.82		155	1.1	
SMLA	HZ	816	115	EP	0154	46.84	-0.27			1.0
SMLA	HE	816	115	ES	0156	04.01	-0.98			1.0
SMLA	HE	816	115	IAML	0156	17.79		78	0.2	
SMLA	HN	816	115	IAML	0156	25.70		52	0.8	
DDI	HZ	934	117	EP	0155	02.02	0.51			1.0
DDI	HE	934	117	ES	0156	30.39	0.49			1.0
DDI	HN	934	117	IAML	0157	26.53		103	1.5	

December 11 2022 Hour: 3:13 54.4 Lat: 36.42N Lon: 70.39E D:120.0F Ag: NCS Regional
Magnitudes: 4.3ML NCS 4.4MW NCS Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	480	122	EP		0314	58.45	0.52							1.0
SRIN	BE	480	122	ES		0315	44.40	0.07							1.0
SRIN	BN	480	122	IAML		0315	49.18			3150	0.2				
SRIN	BE	480	122	IAML		0315	52.23			3538	0.6				
JMU	BZ	574	133	EP		0315	09.33	0.20							1.0
JMU	BN	574	133	ES		0316	04.19	0.49							1.0
JMU	BN	574	133	IAML		0316	10.95			869	0.5				
JMU	BE	574	133	IAML		0316	15.03			620	0.2				
UDMP	HZ	583	131	EP		0315	10.22	0.04							1.0
UDMP	HN	583	131	ES		0316	05.27	-0.25							1.0
ALCI	BZ	664	110	EP		0315	20.51	0.47							1.0
ALCI	BN	664	110	ES		0316	22.71	0.14							1.0
ALCI	BN	664	110	IAML		0316	23.73			185	0.8				
ALCI	BE	664	110	IAML		0316	26.06			130	0.6				
THN	BZ	665	130	EP		0315	20.00	-0.11							1.0
THN	BN	665	130	ES		0316	22.32	-0.38							1.0
TLWR	BZ	713	132	EP		0315	26.08	0.27							1.0
TLWR	BN	713	132	ES		0316	32.51	-0.04							1.0
TLWR	BE	713	132	IAML		0316	35.63			320	1.0				
TLWR	BN	713	132	IAML		0316	37.75			210	0.1				
DHRM	HN	714	129	ES		0316	33.74	0.74							1.0
DHRM	HE	714	129	IAML		0316	34.69			2082	0.6				
DHRM	HN	714	129	IAML		0316	34.97			1098	0.7				
SDNR	BZ	810	130	EP		0315	37.34	-0.16							1.0
SDNR	BN	810	130	ES		0316	52.44	-0.34							1.0
SDNR	BE	810	130	IAML		0316	53.38			205	0.3				
SDNR	BN	810	130	IAML		0316	54.10			264	1.2				
BHK	BZ	823	131	EP		0315	38.59	-0.51							1.0
BHK	BE	823	131	IAML		0316	50.13			319	0.4				
BHK	BN	823	131	IAML		0316	51.46			286	0.1				
SMLA	HN	860	131	ES		0317	02.93	-0.14							1.0
SMLA	HN	860	131	IAML		0317	05.00			390					
SMLA	HE	860	131	IAML		0317	06.78			282	0.5				
HNLY	BZ	884	115	EP		0315	45.79	-0.74							1.0
HNLY	BE	884	115	ES		0317	08.15	-0.26							1.0
HNLY	BN	884	115	IAML		0317	12.53			29	1.2				
HNLY	BE	884	115	IAML		0317	13.16			23	1.3				

December 11 2022 Hour: 9:53 43.0 Lat: 36.35N Lon: 71.10E D: 64.4 Ag: NCS Regional
 Magnitudes: 4.0ML NCS 4.1MW NCS Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	423	126	EP		0954	38.96	-0.04							1.0
SRIN	BN	423	126	ES		0955	19.98	0.13							1.0
SRIN	BE	423	126	IAML		0955	25.06			1310	0.2				
SRIN	BN	423	126	IAML		0955	27.34			1709	0.4				
JMU	BZ	524	138	EP		0954	50.77	-0.51							1.0
JMU	BN	524	138	ES		0955	41.38	0.28							1.0
JMU	BN	524	138	IAML		0955	48.03			493	0.5				
JMU	BE	524	138	IAML		0955	48.29			668	0.2				
UDMP	HZ	531	135	EP		0954	51.99	-0.10							1.0
UDMP	HN	531	135	ES		0955	42.42	-0.08							1.0
ALCI	BZ	602	111	EP		0955	00.78	-0.05							1.0
ALCI	BN	602	111	IAML		0955	59.40			98	0.3				
ALCI	BE	602	111	IAML		0956	00.23			102	0.5				
THN	BZ	612	134	EP		0955	01.90	-0.21							1.0
THN	BN	612	134	ES		0955	59.95	0.11							1.0
DHRM	HZ	661	132	EP		0955	09.16	1.13							1.0
DHRM	HN	661	132	ES		0956	10.65	0.57							1.0
DHRM	HE	661	132	IAML		0956	13.96			667	0.2				
DHRM	HN	661	132	IAML		0956	14.85			634	0.3				
TLWR	BZ	662	136	EP		0955	08.06	-0.02							1.0
TLWR	BN	662	136	ES		0956	08.93	-1.24							1.0
TLWR	BE	662	136	IAML		0956	15.17			220	0.6				
TLWR	BN	662	136	IAML		0956	17.72			175	0.3				
SDNR	BZ	757	133	EP		0955	19.66	-0.07							1.0
SDNR	BN	757	133	ES		0956	30.13	-0.18							1.0
SDNR	BE	757	133	IAML		0956	34.27			124	0.3				
SDNR	BN	757	133	IAML		0956	34.60			107	0.2				
BHK	BZ	770	134	EP		0955	21.09	-0.31							1.0
BHK	BN	770	134	ES		0956	33.21	0.00							1.0
BHK	BN	770	134	IAML		0956	34.46			130					
BHK	BE	770	134	IAML		0956	35.08			76	0.8				
SMLA	HZ	807	134	EP		0955	26.40	0.56							1.0
SMLA	HN	807	134	ES		0956	41.42	0.53							1.0
SMLA	HE	807	134	IAML		0956	45.75			174	0.4				
SMLA	HN	807	134	IAML		0956	47.27			251	0.3				
HNLY	BZ	824	117	EP		0955	27.82	-0.08							1.0
HNLY	BE	824	117	ES		0956	44.25	-0.20							1.0
HNLY	BE	824	117	IAML		0956	47.69			16	0.3				
HNLY	BN	824	117	IAML		0956	51.78			15	0.9				
JOSI	BZ	1015	127	EP		0955	50.90	-0.27							1.0
JOSI	BN	1015	127	ES		0957	24.74	0.04							1.0
JOSI	BN	1015	127	IAML		0957	30.98			50	0.5				
JOSI	BE	1015	127	IAML		0957	31.16			50	0.3				

December 11 2022 Hour: 14:31 30.1 Lat: 17.22N Lon: 100.63W D: 10.0 Ag: NCS Distant
 Magnitudes: 6.0MW NCS Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KUDL	HZ15005		4	EP		1450	48.92	0.09							1.0
SHL	HZ15106		344	EP		1450	50.54	0.04							1.0
CMPI	HZ15281		341	EP		1450	53.63	0.05							1.0
P00	HZ16033		9	EP		1451	05.15	-0.23							1.0
LATR	BZ16080		5	EP		1451	06.86	0.66							1.0
VISK	HZ16144		353	EP		1451	07.45	0.04							1.0
SLPR	HZ16156		6	EP		1451	07.72	-0.07							1.0
KAD	BZ16172		9	EP		1451	08.11	-0.09							1.0
HYB	HZ16201		1	EP		1451	09.10	-0.01							1.0
KLBG	HZ16203		4	EP		1451	09.11	0.01							1.0
DGPR	HZ16356		335	EP		1451	10.30	-0.07							1.0
GOA	HZ16364		10	EP		1451	10.48	0.07							1.0
KNL	HZ16382		2	EP		1451	10.74	0.01							1.0

PBA	HZ16517	334	EP	1451	12.65-0.08	1.0
MYSR	HZ16742	6	EP	1451	16.21 0.35	1.0
KOD	BZ16990	4	EP	1451	18.51-0.77	1.0

December 11 2022 Hour: 17:18 32.2 Lat: 23.54N Lon: 93.79E D: 32.9 Ag: NCS Regional

Magnitudes: 3.2ML NCS 3.2MW NCS		Rms: 0.8 secs													
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CMPI	HZ	50	265	EP		1718	41.72	-0.53							1.0
CMPI	HN	50	265	ES		1718	50.05	0.50							1.0
CMPI	HN	50	265	IAML		1718	52.06			2623	0.6				
CMPI	HE	50	265	IAML		1718	52.62			3458	0.4				
SAIH	SZ	142	216	EP		1718	53.72	-0.69							1.0
SAIH	SN	142	216	ES		1719	11.01	0.42							1.0
SAIH	SE	142	216	IAML		1719	14.67			324	0.7				
SAIH	SN	142	216	IAML		1719	15.45			326	1.1				
IMP	SZ	144	6	EP		1718	54.44	-0.09							1.0
IMP	SN	144	6	ES		1719	11.73	0.93							1.0
IMP	SE	144	6	IAML		1719	16.61			99	0.6				
IMP	SN	144	6	IAML		1719	17.93			57	0.4				
SHL	HZ	290	321	EP		1719	11.70	-0.62							1.0
SHL	HN	290	321	ES		1719	41.95	0.37							1.0
SHL	HE	290	321	IAML		1719	48.69			100	0.1				
TURA	SZ	423	302	EP		1719	28.46	-0.12							1.0
TURA	SE	423	302	IAML		1720	08.77			139	0.2				
TURA	SN	423	302	IAML		1720	09.77			119	0.1				
TURA	SN	423	302	ES		1720	10.11	0.41							1.0
TAWA	SZ	489	337	EP		1719	37.91	1.23							1.0
TAWA	SN	489	337	ES		1720	21.91	-1.81							1.0
TAWA	SE	489	337	IAML		1720	23.44			90	0.4				
TAWA	SN	489	337	IAML		1720	24.30			81	0.2				

December 12 2022 Hour: 2:11 12.1 Lat: 36.47N Lon: 71.04E D:170.0F Ag: NCS Regional

Magnitudes: 4.0ML NCS 4.0MW NCS		Rms: 0.5 secs													
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	435	127	EP		0212	10.77	-0.90							1.0
SRIN	BN	435	127	ES		0212	55.02	-0.13							1.0
SRIN	BE	435	127	IAML		0213	02.19			829	0.4				
SRIN	BN	435	127	IAML		0213	02.63			1204	0.3				
JMU	BZ	537	138	EP		0212	22.58	-0.91							1.0
JMU	BN	537	138	ES		0213	14.98	-0.63							1.0
JMU	BE	537	138	IAML		0213	24.30			165	0.6				
JMU	BN	537	138	IAML		0213	25.21			143	0.7				
UDMP	HZ	543	135	EP		0212	24.64	0.40							1.0
UDMP	HN	543	135	ES		0213	17.21	0.31							1.0
THN	BZ	625	134	EP		0212	34.78	0.88							1.0
THN	BN	625	134	ES		0213	33.55	-0.07							1.0
DHRM	HZ	673	132	EP		0212	39.71	0.08							1.0
DHRM	HE	673	132	ES		0213	43.56	0.03							1.0
DHRM	HE	673	132	IAML		0213	47.52			516	0.6				
DHRM	HN	673	132	IAML		0213	48.92			482	0.4				
SDNR	BZ	770	134	EP		0212	51.14	0.11							1.0
SDNR	BN	770	134	ES		0214	03.60	0.35							1.0
SDNR	BE	770	134	IAML		0214	08.38			70	0.3				
SDNR	BN	770	134	IAML		0214	10.01			60	0.6				
BHK	BZ	783	134	EP		0212	52.89	0.22							1.0
BHK	BN	783	134	IAML		0214	02.41			95	0.2				
BHK	BN	783	134	ES		0214	05.79	-0.30							1.0
BHK	BE	783	134	IAML		0214	06.81			103	0.1				
SMLA	HZ	820	134	EP		0212	57.21	0.20							1.0
SMLA	HN	820	134	ES		0214	13.96	0.36							1.0
SMLA	HE	820	134	IAML		0214	19.36			113	0.3				
SMLA	HN	820	134	IAML		0214	23.05			72	0.9				

December 12 2022 Hour: 4:38 2.5 Lat: 32.16N Lon: 79.04E D: 10.0F Ag: NCS Regional
 Magnitudes: 2.3ML NCS 2.7MW NCS Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HNLY	BZ	68	355	EP		0438	14.90	0.34							1.0
HNLY	BE	68	355	ES		0438	23.57	0.23							1.0
HNLY	BN	68	355	IAML		0438	23.95			70	0.6				
HNLY	BE	68	355	IAML		0438	27.87			47	0.6				
SMLA	HZ	211	237	EP		0438	35.46	0.09							1.0
SMLA	HE	211	237	ES		0439	01.19	1.84							1.0
SMLA	HE	211	237	IAML		0439	03.28			30	0.4				
SMLA	HN	211	237	IAML		0439	03.52			18	0.4				
SDNR	BZ	213	252	EP		0438	34.78	-0.92							1.0
SDNR	BN	213	252	ES		0438	59.10	-0.82							1.0
SDNR	BE	213	252	IAML		0439	00.93			19	0.9				
SDNR	BN	213	252	IAML		0439	01.05			26	0.3				
DHRM	HZ	258	273	EP		0438	40.24	-0.93							1.0
DHRM	HN	258	273	IAML		0439	14.83			55	0.9				
DHRM	HE	258	273	IAML		0439	15.09			37	0.6				
THN	BZ	306	277	EP		0438	47.06	0.01							1.0
THN	BN	306	277	ES		0439	19.72	0.16							1.0

December 12 2022 Hour: 7:18 51.9 Lat: 13.25N Lon: 93.56E D: 10.0F Ag: NCS Regional
 Magnitudes: 4.2ML NCS 3.6MW NCS Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DGPR	HZ	68	263	EP		0719	03.77	-0.09							1.0
DGPR	HN	68	263	ES		0719	12.57	-0.06							1.0
DGPR	HN	68	263	IAML		0719	20.75			3203	0.4				
DGPR	HE	68	263	IAML		0719	22.84			2328	0.4				
PBA	HZ	198	207	EP		0719	23.09	-0.04							1.0
PBA	HN	198	207	ES		0719	46.31	0.35							1.0
PBA	HN	198	207	IAML		0719	49.69			646	0.4				
PBA	HE	198	207	IAML		0719	50.46			638	0.8				
CMBY	HZ	672	177	EP		0720	21.03	0.02							1.0
CMBY	HN	672	177	ES		0721	26.06	-0.04							1.0
CMBY	HN	672	177	IAML		0721	27.94			218	0.1				
BWNR	BZ	1131	314	EP		0721	17.08	-0.04							1.0
BWNR	BN	1131	314	ES		0723	04.58	1.41							0.9
BWNR	BE	1131	314	IAML		0723	07.62			110	0.4				
BWNR	BN	1131	314	IAML		0723	08.89			148	0.4				
CMPI	HZ	1134	359	EP		0721	17.52	-0.11							1.0
CMPI	HN	1134	359	ES		0723	03.97	-0.08							1.0
CMPI	HN	1134	359	IAML		0723	17.67			193	0.6				
CMPI	HE	1134	359	IAML		0723	20.36			411	0.6				
VISK	HZ	1203	296	EP		0721	25.96	0.08							1.0
VISK	HN	1203	296	ES		0723	18.12	-0.20							1.0
VISK	HN	1203	296	IAML		0723	19.82			94	0.3				
RAGD	BZ	1267	303	EP		0721	33.58	-0.09							1.0
RAGD	BN	1267	303	ES		0723	31.73	-0.06							1.0
RAGD	BN	1267	303	IAML		0723	37.55			55	0.4				
RAGD	BE	1267	303	IAML		0723	38.60			60	0.5				
SHL	HZ	1373	353	EP		0721	46.65	0.02							1.0
SHL	HN	1373	353	ES		0723	54.06	-0.15							1.0
SHL	HE	1373	353	IAML		0724	07.05			183	0.2				
HYB	HZ	1675	288	EP		0722	24.42	-0.26							1.0
HYB	HN	1675	288	ES		0725	12.14	-0.47							1.0
HYB	HN	1675	288	E		0725	14.95								

December 12 2022 Hour: 14:41 55.6 Lat: 30.92N Lon: 96.20E D: 10.0F Ag: NCS Regional
 Magnitudes: 4.0ML NCS 3.7MW NCS Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZIRO	SZ	440	212	EP		1442	56.16	-0.31							1.0
ZIRO	SE	440	212	ES		1443	41.78	0.87							1.0
ZIRO	SE	440	212	IAML		1443	44.88			1883	0.6				
ZIRO	SN	440	212	IAML		1443	50.57			2053	0.6				
ITAN	SZ	483	211	EP		1443	01.37	-0.37							1.0
ITAN	SN	483	211	ES		1443	50.00	-0.01							1.0
ITAN	SE	483	211	IAML		1443	55.31			422	0.4				
ITAN	SN	483	211	IAML		1443	59.31			549	0.4				
TAWA	SZ	560	230	EP		1443	11.15	0.11							1.0
TAWA	SE	560	230	ES		1444	05.90	-0.20							1.0
TAWA	SN	560	230	IAML		1444	18.02			252	0.8				
TAWA	SE	560	230	IAML		1444	24.28			187	0.6				
KOHI	SZ	612	200	EP		1443	17.67	0.24							1.0
KOHI	SN	612	200	ES		1444	16.33	-0.84							1.0
KOHI	SN	612	200	IAML		1444	39.95			231	0.9				
KOHI	SE	612	200	IAML		1444	40.43			320	0.9				
SHL	HZ	723	216	EP		1443	32.01	1.03							1.0
SHL	HN	723	216	ES		1444	41.74	1.14							1.0
SHL	HE	723	216	IAML		1445	11.37			172	0.6				
SILR	SZ	758	207	EP		1443	34.61	-0.62							1.0
SILR	SN	758	207	ES		1444	47.61	-0.36							1.0
SILR	SE	758	207	IAML		1445	23.66			218	1.5				
SILR	SN	758	207	IAML		1445	25.94			151	1.0				
TURA	SZ	838	226	EP		1443	45.04	0.03							1.0
TURA	SN	838	226	ES		1445	03.90	-0.97							1.0
TURA	SN	838	226	IAML		1445	10.51			21	0.8				
TURA	SE	838	226	IAML		1445	10.93			16	0.3				
SAIH	SZ	987	200	EP		1444	03.29	-0.01							1.0
SAIH	SN	987	200	ES		1445	36.79	0.27							1.0
SAIH	SN	987	200	IAML		1445	37.92			67	0.8				
SAIH	SE	987	200	IAML		1445	40.51			70	1.0				

December 13 2022 Hour: 2:5 2.1 Lat: 36.10N Lon: 68.01E D: 10.0F Ag: NCS Regional
 Magnitudes: 3.8ML NCS 3.4MW NCS Rms: 0.7 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	660	108	EP		0206	30.55	0.77							1.0
SRIN	BE	660	108	ES		0207	33.89	0.07							1.0
SRIN	BN	660	108	IAML		0207	36.19			508	0.3				
SRIN	BE	660	108	IAML		0207	36.98			341	0.5				
JMU	BZ	727	119	EP		0206	36.68	-1.30							1.0
JMU	BN	727	119	ES		0207	48.20	0.20							1.0
JMU	BN	727	119	IAML		0207	50.97			85	0.4				
JMU	BE	727	119	IAML		0208	03.50			52	0.5				
UDMP	HZ	743	116	EP		0206	38.72	-1.14							1.0
UDMP	HN	743	116	ES		0207	50.24	-1.00							1.0
DHRM	HZ	876	117	EP		0206	56.56	0.38							1.0
DHRM	HN	876	117	ES		0208	19.19	-0.29							1.0
DHRM	HE	876	117	IAML		0208	20.60			93	0.3				
DHRM	HN	876	117	IAML		0208	23.17			69	0.1				
SDNR	BZ	966	119	EP		0207	07.64	0.44							1.0
SDNR	BN	966	119	ES		0208	39.27	0.73							1.0
SDNR	BN	966	119	IAML		0208	41.32			16	0.4				
SDNR	BE	966	119	IAML		0208	42.40			25	0.3				
BHK	BZ	978	120	EP		0207	09.02	0.42							1.0
BHK	BE	978	120	ES		0208	41.28	0.31							1.0
BHK	BE	978	120	IAML		0208	45.62			42	0.3				
BHK	BN	978	120	IAML		0208	45.73			25	0.1				
SMLA	HZ	1013	120	EP		0207	13.26	0.41							1.0
SMLA	HE	1013	120	IAML		0208	50.87			39	0.4				
SMLA	HN	1013	120	IAML		0208	51.02			25	0.2				

December 13 2022 Hour: 8:40 31.8

Ag: NCS Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CMBY	HZ			EP		0839	33.43								
CMPI	HZ			EP		0842	57.53								
BLRY	HZ			EP		0843	41.48								
BLRY	HN			ES		0846	36.33								
CHT	HZ			EP		0843	06.91								
CHT	HN			ES		0845	35.34								
DGPR	HZ			EP		0840	42.56								
DGPR	HE			ES		0841	55.75								
HYB	HZ			EP		0843	37.41								
HYB	HE			ES		0846	32.26								
JBPL	HZ			EP		0843	53.68								
KLBG	HZ			EP		0843	37.41								
KLBG	HN			ES		0846	54.63								
KNL	HZ			EP		0843	19.11								
KNL	HN			ES		0846	13.97								
P00	HZ			EP		0844	11.98								
P00	HN			ES		0848	05.79								
MYSR	HZ			EP		0843	23.18								
MYSR	HN			ES		0846	03.80								
SHL	HZ			EP		0843	23.18								
SLPR	HZ			EP		0843	35.38								
SLPR	HN			ES		0847	08.86								
BWNR	BZ			EP		0842	38.83								
KOHI	SZ			EP		0843	25.95								
MOKO	SZ			EP		0843	44.39								
MOKO	SN			ES		0847	05.16								
SAIH	SZ			EP		0842	53.17								
TAWA	SZ			EP		0843	52.59								
TURA	SZ			EP		0843	30.05								
KAD	BZ			EP		0844	23.83								
KAD	BE			ES		0847	41.79								
KOD	BZ			EP		0843	06.28								
KOD	BN			ES		0845	29.14								
LATR	BZ			EP		0843	45.06								
LATR	BN			ES		0847	13.22								
PTH	BZ			EP		0840	20.25								
RAGD	BZ			EP		0842	47.91								
SALM	BZ			EP		0845	27.10								

December 13 2022 Hour: 14:25 17.3 Lat: 27.47N Lon: 129.70E D: 19.0F

Ag: NCS Distant

Magnitudes: 5.4MW NCS

Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZIRO	SZ	3530	279	EP		1431	40.08	-0.13							1.0
CMPI	HZ	3673	271	EP		1431	52.22	0.58							1.0
TAWA	SZ	3723	279	EP		1431	55.34	0.02							1.0
SHL	HZ	3751	276	EP		1431	57.31	-0.22							1.0
SHBG	BZ	4187	276	EP		1432	30.99	-0.19							1.0
ALBI	BZ	4756	278	EP		1433	13.66	0.10							1.0
RAGD	BZ	4788	269	EP		1433	15.32	-0.67							1.0
LGTI	BZ	4829	285	EP		1433	19.41	0.53							1.0
JOSI	BZ	4858	286	EP		1433	20.38	-0.55							1.0
RAIP	HZ	4895	273	EP		1433	23.67	-0.04							1.0
TKRD	BZ	4950	285	EP		1433	27.62	0.06							1.0
JBPL	HZ	4999	276	EP		1433	30.16	-0.95							1.0
JHNI	BZ	5064	280	EP		1433	35.66	-0.03							1.0
SDNR	BZ	5091	288	EP		1433	37.81	0.17							1.0
BHK	BZ	5091	288	EP		1433	37.35	-0.29							1.0
NPL	BZ	5124	284	EP		1433	40.29	0.33							1.0
DHRM	HZ	5135	289	EP		1433	39.67	-1.13							1.0
SONA	BZ	5143	284	EP		1433	41.90	0.59							1.0
NGP	BZ	5154	274	EP		1433	43.94	1.83							0.9

UDMP	HZ	5234	291	EP	1433	48.53	0.83	1.0
BHPL	HZ	5245	277	EP	1433	49.78	1.20	1.0
AKL	BZ	5371	274	EP	1433	59.29	1.88	0.9
INDR	HZ	5416	277	EP	1433	58.73	-1.75	0.9
AJM	BZ	5424	282	EP	1434	01.34	0.32	1.0
LATR	BZ	5505	271	EP	1434	06.43	-0.28	1.0
KLBG	HZ	5517	270	EP	1434	06.89	-0.61	1.0
ATP	HZ	5553	266	EP	1434	08.93	-1.03	1.0
UDPR	BZ	5566	280	EP	1434	10.52	-0.31	1.0
SLPR	HZ	5594	271	EP	1434	10.97	-1.79	0.9
SALM	BZ	5640	262	EP	1434	15.88	-0.05	1.0
BLRY	HZ	5654	268	EP	1434	16.87	0.04	1.0
BARM	HZ	5754	282	EP	1434	23.40	-0.08	1.0
MYSR	HZ	5759	264	EP	1434	25.25	1.32	0.9
P00	HZ	5765	273	EP	1434	24.17	-0.08	1.0
KOD	BZ	5777	261	EP	1434	26.87	1.67	0.9
CHT	HZ	5823	261	EP	1434	27.29	-0.90	1.0

December 13 2022 Hour: 20:16 19.6 Lat: 36.53N Lon: 71.64E D:272.3 Ag: NCS Regional

Magnitudes: 3.7ML NCS 3.8MW NCS

Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	398	133	EP		2017	20.54	0.20							1.0
SRIN	BN	398	133	ES		2018	04.37	-0.28							1.0
SRIN	BE	398	133	IAML		2018	05.93			308	0.2				
SRIN	BN	398	133	IAML		2018	07.99			298	0.6				
JMU	BZ	508	144	EP		2017	31.70	-0.29							1.0
JMU	BN	508	144	ES		2018	24.47	-0.34							1.0
JMU	BE	508	144	IAML		2018	29.27			117	0.3				
JMU	BN	508	144	IAML		2018	29.59			122	0.3				
UDMP	HZ	512	141	EP		2017	32.64	0.25							1.0
UDMP	HN	512	141	ES		2018	25.96	0.46							1.0
DHRM	HZ	640	137	EP		2017	46.85	0.28							1.0
DHRM	HN	640	137	ES		2018	50.36	0.32							1.0
DHRM	HN	640	137	IAML		2018	53.14			259	0.4				
DHRM	HE	640	137	IAML		2018	54.80			216	0.4				
SDNR	BZ	736	137	EP		2017	57.44	-0.11							1.0
SDNR	BE	736	137	ES		2019	08.76	-0.27							1.0
SDNR	BN	736	137	IAML		2019	14.99			37	0.2				
SDNR	BE	736	137	IAML		2019	15.67			34	0.4				
BHK	BZ	750	138	EP		2017	58.58	-0.60							1.0
BHK	BN	750	138	ES		2019	12.10	0.24							1.0
BHK	BE	750	138	IAML		2019	14.70			49	0.6				
BHK	BN	750	138	IAML		2019	15.34			57	0.8				
SMLA	HZ	788	138	EP		2018	03.52	0.13							1.0
SMLA	HN	788	138	ES		2019	19.19	0.06							1.0
SMLA	HE	788	138	IAML		2019	24.67			90	0.6				
JOSI	BZ	989	130	EP		2018	26.97	0.15							1.0
JOSI	BN	989	130	ES		2019	59.44	-0.22							1.0
JOSI	BE	989	130	IAML		2020	03.56			33	0.9				
JOSI	BN	989	130	IAML		2020	05.03			45	0.7				

December 14 2022 Hour: 18:40 23.7 Lat: 51.65N Lon: 179.71E D: 80.0F Ag: NCS Distant

Magnitudes: 5.8MW NCS

Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IMP	SZ	7596	283	EP		1851	16.58	-0.38							1.0
SHL	HZ	7667	285	EP		1851	20.63	-0.32							1.0
TURA	SZ	7789	286	EP		1851	27.28	-0.40							1.0
SAIH	SZ	7855	282	EP		1851	31.15	-0.26							1.0
JOSI	BZ	8053	297	EP		1851	42.12	0.25							1.0
PTH	BZ	8095	296	EP		1851	43.92	-0.22							1.0
DHRM	HZ	8106	300	EP		1851	44.56	-0.15							1.0
LGTI	BZ	8119	296	EP		1851	46.22	0.76							1.0
THN	BZ	8119	301	EP		1851	45.37	-0.00							1.0
UDMP	HZ	8119	302	EP		1851	46.43	1.13							1.0

SDNR	BZ	8130	300	EP	1851	45.91-0.09	1.0
BHK	BZ	8141	299	EP	1851	46.20-0.38	1.0
JMU	BZ	8147	302	EP	1851	46.71-0.17	1.0
BOKR	HZ	8220	288	EP	1851	52.06 1.10	1.0
KUDL	HZ	8448	298	EP	1852	01.00-1.64	0.9
BWNR	BZ	8524	286	EP	1852	07.04 0.32	1.0
JHNI	BZ	8548	294	EP	1852	08.69 1.01	1.0
BKNR	BZ	8638	300	EP	1852	12.52 0.34	1.0
DGPR	HZ	8643	276	EP	1852	14.34 1.55	0.0
AJM	BZ	8711	298	EP	1852	14.82-1.08	1.0
RAIP	HZ	8717	289	EP	1852	16.64 0.30	1.0
RAGD	BZ	8768	287	EP	1852	19.11 0.21	1.0
BHPL	HZ	8814	294	EP	1852	20.42-0.59	1.0
JODH	HZ	8822	299	EP	1852	21.03-0.30	1.0
JGDP	HZ	8876	288	EP	1852	24.32 0.19	1.0
NGP	BZ	8890	291	EP	1852	24.70-0.01	1.0
VISK	HZ	8907	286	EP	1852	25.66 0.04	1.0
UDPR	BZ	8929	297	EP	1852	26.70 0.14	1.0
INDR	HZ	8971	295	EP	1852	28.94 0.31	1.0
LATR	BZ	9293	292	EP	1852	43.99 0.12	1.0
KLBG	HZ	9368	291	EP	1852	47.16-0.08	1.0
PALG	HZ	9379	295	EP	1852	47.16-0.51	1.0
SLPR	HZ	9396	292	EP	1852	48.74 0.18	1.0
KNL	HZ	9426	289	EP	1852	50.19 0.27	1.0
P00	HZ	9453	294	EP	1852	51.21 0.17	1.0
BOM	BZ	9486	295	EP	1852	52.85 0.27	1.0
KAD	BZ	9540	293	EP	1852	54.23-0.69	1.0
BLRY	HZ	9580	290	EP	1852	57.24 0.48	1.0
SALM	BZ	9777	286	EP	1853	04.47-0.93	1.0
MYSR	HZ	9815	288	EP	1853	07.40 0.44	1.0

December 14 2022 Hour: 20:46 38.8 Lat: 21.74N Lon: 96.03E D: 15.0F Ag: NCS Regional
Magnitudes: 4.2ML NCS 4.3MW NCS Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SAIH	SZ	325	285	EP		2047	24.83-0.14								1.0
SAIH	SN	325	285	ES		2047	58.17-0.53								1.0
SAIH	SN	325	285	IAML		2048	12.91		1849	0.4					
SAIH	SE	325	285	IAML		2048	15.27		2437	1.1					
CMPI	HZ	341	305	EP		2047	27.15 0.10								1.0
CMPI	HE	341	305	ES		2048	02.05-0.24								1.0
CMPI	HN	341	305	IAML		2048	11.21		2151	0.5					
CMPI	HE	341	305	IAML		2048	13.17		3420	1.0					
IMP	SZ	403	328	EP		2047	34.13-0.34								1.0
IMP	SN	403	328	ES		2048	14.85-0.29								1.0
IMP	SN	403	328	IAML		2048	37.44		848	0.7					
IMP	SE	403	328	IAML		2048	49.83		791	1.4					
AGT	SZ	546	297	EP		2047	52.56 0.63								1.0
AGT	SN	546	297	ES		2048	44.71-0.63								1.0
AGT	SN	546	297	IAML		2048	48.94		489	0.4					
AGT	SE	546	297	IAML		2048	55.48		527	1.1					
SHL	HZ	591	317	EP		2047	57.40-0.05								1.0
SHL	HE	591	317	ES		2048	54.40-0.48								1.0
SHL	HE	591	317	IAML		2049	01.88		328	0.9					
SHL	HN	591	317	IAML		2049	03.35		256	0.5					
TURA	SZ	725	306	EP		2048	14.07 0.28								1.0
TURA	SN	725	306	ES		2049	27.20 4.05								0.5
TURA	SE	725	306	IAML		2049	29.75		174	0.5					
TURA	SN	725	306	IAML		2049	30.23		223	0.7					
GTK	SN	974	311	ES		2050	15.37-0.31								1.0
GTK	SE	974	311	IAML		2050	28.04		149	1.2					
GTK	SN	974	311	IAML		2050	29.72		174	1.2					
RAIP	HZ	1490	270	EP		2049	47.58 0.33								1.0
RAIP	HN	1490	270	ES		2052	04.78-0.07								1.0
JOSI	BZ	1912	304	EP		2050	38.48 0.20								1.0

SMLA	HZ	2145	303	EP	2051	03.29	0.28								1.0
DHRM	HZ	2272	305	EP	2051	15.90	0.33								1.0

December 15 2022 Hour: 4: 3 25.0

Ag: NCS Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHL	HZ			EP		0409	01.53								
BWNR	BZ			EP		0409	57.90								
RAGD	BZ			EP		0410	18.88								
RAIP	HZ			EP		0410	28.94								
PTH	BZ			EP		0410	31.52								
JBPL	HZ			EP		0410	38.96								
HNLY	BZ			EP		0410	41.03								
TKRD	BZ			EP		0410	41.69								
JHNI	BZ			EP		0410	46.25								
DDI	HZ			EP		0410	47.25								
NGP	BZ			EP		0410	47.84								
ASOR	BZ			EP		0410	49.69								
SMLA	HZ			EP		0410	54.38								
NDI	HZ			EP		0410	54.00								
ALCI	BZ			EP		0410	55.41								
NPL	BZ			EP		0410	53.99								
AYAN	BZ			EP		0410	55.41								
NRLA	BZ			EP		0410	55.45								
BHK	BZ			EP		0410	55.57								
SONA	BZ			EP		0410	55.09								
SDNR	BZ			EP		0410	56.05								
BHPL	HZ			EP		0410	59.38								
KUDL	HZ			EP		0411	00.15								
HYB	HZ			EP		0410	59.38								
TLWR	BZ			EP		0411	02.44								
AKL	BZ			EP		0411	05.38								
UDMP	HZ			EP		0411	09.22								
KNL	HZ			EP		0411	07.20								
JMU	BZ			EP		0411	10.20								
INDR	HZ			EP		0411	11.25								
LATR	BZ			EP		0411	13.81								
KLBG	HZ			EP		0411	13.75								
SLPR	HZ			EP		0411	19.80								
BLRY	HZ			EP		0411	23.39								
UDPR	BZ			EP		0411	22.70								
JODH	HZ			EP		0411	27.44								
MYSR	HZ			EP		0411	29.46								
KOD	BZ			EP		0411	28.86								
CHT	HZ			EP		0411	31.49								
P00	HZ			EP		0411	32.91								
PALG	HZ			EP		0411	37.56								
BOM	BZ			EP		0411	38.52								
BHUJ	HZ			EP		0411	53.99								
MNC	HZ			EP		0412	08.15								
CMPI	HZ			EP		0408	51.60								
AJM	BZ			EP		0411	13.89								
BOKR	HZ			EP		0409	52.64								

December 15 2022 Hour: 11:48 41.0 Lat: 17.12N Lon: 75.53E D: 5.3

Ag: NCS Local

Magnitudes: 2.4ML NCS 2.5MW NCS

Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SLPR	HZ	74	34	EP		1148	53.85	0.03							1.0
SLPR	HE	74	34	ES		1149	03.27	0.08							1.0
SLPR	HE	74	34	IAML		1149	03.80			172	0.6				
SLPR	HN	74	34	IAML		1149	03.86			136	0.4				
KLBG	HZ	141	81	EP		1149	05.43	0.16							1.0
KLBG	HN	141	81	IAML		1149	13.84			158	0.1				
KLBG	HE	141	81	IAML		1149	16.54			86	0.1				
KLBG	HN	141	81	ES		1149	22.88	-0.11							1.0

KAD	BZ	145	278	EP	1149	05.72-0.16											1.0
KAD	BN	145	278	ES	1149	24.33 0.29											1.0
KAD	BN	145	278	IAML	1149	26.78				27	0.8						
KAD	BE	145	278	IAML	1149	30.98				31	0.5						
LATR	BZ	177	36	EP	1149	10.08-0.26											1.0
LATR	BE	177	36	ES	1149	31.85 0.09											1.0
LATR	BN	177	36	IAML	1149	36.86				34	0.9						
LATR	BE	177	36	IAML	1149	39.38				71	0.5						
P00	HZ	237	311	EP	1149	17.39-0.16											1.0
P00	HE	237	311	ES	1149	44.16-0.07											1.0
P00	HN	237	311	IAML	1149	45.73				23	0.1						
P00	HE	237	311	IAML	1149	47.03				34	0.3						
HYB	HZ	323	84	EP	1149	28.14-0.01											1.0
HYB	HN	323	84	ES	1150	02.68 0.11											1.0
HYB	HN	323	84	IAML	1150	05.32				8	0.1						
HYB	HE	323	84	IAML	1150	06.84				7	0.2						

December 15 2022 Hour: 17:7 43.6 Lat: 36.45N Lon: 71.33E D: 80.0F Ag: NCS Regional
Magnitudes: 3.5ML NCS 3.6MW NCS Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JMU	BZ	518	141	EP		1708	51.61	0.28							1.0
JMU	BN	518	141	ES		1709	40.10-0.65								1.0
JMU	BN	518	141	IAML		1709	44.61			317	0.8				
JMU	BE	518	141	IAML		1709	45.21			160	0.3				
UDMP	HZ	524	137	EP		1708	52.46	0.48							1.0
UDMP	HN	524	137	ES		1709	43.12	1.25							1.0
ALCI	BZ	587	113	EP		1709	00.11	0.40							1.0
ALCI	BN	587	113	ES		1709	55.07-0.17								1.0
ALCI	BE	587	113	IAML		1710	01.34			35	0.8				
ALCI	BN	587	113	IAML		1710	01.64			37	0.3				
THN	BZ	605	136	EP		1709	02.01	0.08							1.0
THN	BN	605	136	ES		1709	58.63-0.45								1.0
DHRM	HZ	653	134	EP		1709	07.92	0.16							1.0
DHRM	HN	653	134	ES		1710	08.77-0.40								1.0
DHRM	HN	653	134	IAML		1710	12.96			115	0.5				
DHRM	HE	653	134	IAML		1710	13.83			175	0.7				
SDNR	BZ	749	135	EP		1709	18.59-0.89								1.0
SDNR	BE	749	135	ES		1710	28.84-0.62								1.0
SDNR	BE	749	135	IAML		1710	31.30			34	0.2				
SDNR	BN	749	135	IAML		1710	31.91			43	0.5				
SMLA	HZ	800	136	EP		1709	25.10-0.53								1.0
SMLA	HE	800	136	ES		1710	41.14	1.05							1.0
SMLA	HN	800	136	IAML		1710	42.57			39	0.6				
SMLA	HE	800	136	IAML		1710	42.76			38	0.3				

December 15 2022 Hour: 17:12 55.2 Lat: 24.97N Lon: 94.90E D: 86.0F Ag: NCS Regional
Magnitudes: 4.2ML NCS 4.1MW NCS Rms: 0.9 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
IMP	SZ	98	261	EP		1713	11.95-1.34								1.0
IMP	SN	98	261	ES		1713	25.50-0.98								1.0
IMP	SN	98	261	IAML		1713	32.46			2283	0.6				
IMP	SE	98	261	IAML		1713	33.17			2161	1.2				
KOHI	SZ	116	317	EP		1713	13.89-1.30								1.0
KOHI	SN	116	317	ES		1713	28.98-0.79								1.0
KOHI	SE	116	317	IAML		1713	36.47			2392	0.5				
KOHI	SN	116	317	IAML		1713	37.08			2419	0.6				
CMPI	HZ	229	225	EP		1713	28.58	0.23							1.0
CMPI	HE	229	225	ES		1713	52.24-0.29								1.0
CMPI	HN	229	225	IAML		1713	56.39			1175	0.5				
CMPI	HE	229	225	IAML		1713	58.93			2055	0.4				
SHL	HZ	301	283	EP		1713	38.19	1.51							1.0
SHL	HN	301	283	ES		1714	07.18	0.24							1.0
SHL	HN	301	283	IAML		1714	08.92			3246	0.2				
SHL	HE	301	283	IAML		1714	09.51			2210	0.2				

SAIH	SZ	336	216	EP	1713	41.00	-0.02									1.0
SAIH	SN	336	216	ES	1714	15.42	0.98									1.0
SAIH	SN	336	216	IAML	1714	17.55			636	0.5						
SAIH	SE	336	216	IAML	1714	19.42			1006	0.3						
HAUL	HZ	381	25	EP	1713	47.08	0.73									1.0
HAUL	HN	381	25	ES	1714	23.91	0.24									1.0
HAUL	HN	381	25	IAML	1714	26.28			1537	0.3						
HAUL	HE	381	25	IAML	1714	27.91			2233	0.2						
TURA	SZ	475	278	EP	1713	56.93	-0.81									1.0
TURA	SN	475	278	ES	1714	43.25	-0.12									1.0
TURA	SN	475	278	IAML	1714	43.94			1488	0.2						
TURA	SE	475	278	IAML	1714	45.85			1122	0.2						
GTK	SN	682	294	ES	1715	28.50	1.62									1.0
GTK	SE	682	294	IAML	1715	32.56			415	0.6						
GTK	SN	682	294	IAML	1715	34.76			341	0.6						
SHBG	BZ	734	274	EP	1714	29.00	-0.24									1.0
SHBG	BN	734	274	ES	1715	38.19	0.33									1.0
SHBG	BE	734	274	IAML	1715	39.44			484	0.4						
SHBG	BN	734	274	IAML	1715	39.83			168	0.2						

December 16 2022 Hour: 7:53 6.6 Lat: 25.66N Lon: 91.40E D: 10.7 Ag: NCS Local
Magnitudes: 2.9ML NCS 2.9MW NCS Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHL	HZ	60	99	EP		0753	17.79	0.56							1.0
SHL	HN	60	99	ES		0753	24.82	-0.14							1.0
SHL	HN	60	99	IAML		0753	32.76			1208	0.4				
SHL	HE	60	99	IAML		0753	32.87			509	0.2				
TURA	SZ	119	263	EP		0753	27.32	0.13							1.0
TURA	SN	119	263	ES		0753	42.33	0.13							1.0
TURA	SN	119	263	IAML		0753	48.82			123	0.1				
TURA	SE	119	263	IAML		0753	49.26			257	0.2				
SILR	SZ	171	124	EP		0753	34.57	0.01							1.0
SILR	SE	171	124	ES		0753	54.83	-0.11							1.0
SILR	SN	171	124	IAML		0753	55.57			82	0.3				
SILR	SE	171	124	IAML		0753	56.01			85	0.3				
COBR	BZ	207	290	EP		0753	38.13	-0.74							1.0
COBR	BN	207	290	ES		0754	02.77	0.38							1.0
COBR	BE	207	290	IAML		0754	03.90			273	0.3				
COBR	BN	207	290	IAML		0754	06.31			291	0.4				
HAUL	HZ	576	61	EP		0754	23.31	-0.64							1.0
HAUL	HN	576	61	ES		0755	20.81	0.43							1.0

December 16 2022 Hour: 7:58 41.5 Lat: 21.90N Lon: 95.98E D: 9.9 Ag: NCS Regional
Magnitudes: 3.8ML NCS 3.8MW NCS Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SAIH	SZ	316	283	EP		0759	27.21	0.03							1.0
SAIH	SE	316	283	ES		0800	00.54	-0.00							1.0
SAIH	SE	316	283	IAML		0800	02.82			524	0.8				
SAIH	SN	316	283	IAML		0800	09.94			712	0.6				
CMPI	HZ	326	303	EP		0759	28.54	-0.12							1.0
CMPI	HN	326	303	ES		0800	02.85	-0.25							1.0
CMPI	HE	326	303	IAML		0800	07.13			570	0.7				
CMPI	HN	326	303	IAML		0800	07.25			665	0.7				
IMP	SZ	386	328	EP		0759	36.12	0.45							1.0
IMP	SE	386	328	ES		0800	15.05	-0.18							1.0
IMP	SN	386	328	IAML		0800	16.83			183	1.1				
IMP	SE	386	328	IAML		0800	19.82			165	0.6				
SILR	SZ	456	315	EP		0759	44.04	-0.14							1.0
SILR	SE	456	315	ES		0800	30.23	0.27							1.0
SILR	SE	456	315	IAML		0801	08.83			304	1.4				
KOHI	SZ	464	336	EP		0759	45.36	0.05							1.0
KOHI	SE	464	336	ES		0800	31.88	-0.02							1.0
KOHI	SE	464	336	IAML		0800	37.07			196	0.5				
MOKO	SZ	512	343	EP		0759	51.30	0.13							1.0

MOKO	SE	512	343	ES	0800	42.11	0.07									1.0
MOKO	SE	512	343	IAML	0800	46.72			167	1.0						
SHL	HZ	575	316	EP	0759	58.89	0.08									1.0
SHL	HN	575	316	ES	0800	55.31	0.05									1.0
SHL	HE	575	316	IAML	0800	58.54			70	0.4						
SHL	HN	575	316	IAML	0800	59.69			178	0.6						
LKP	SZ	602	359	EP	0800	02.19	0.09									1.0
LKP	SN	602	359	ES	0801	00.91	-0.05									1.0
LKP	SE	602	359	IAML	0801	15.81			396	0.3						
LKP	SN	602	359	IAML	0801	15.94			277	0.2						
ITAN	SZ	625	339	EP	0800	04.83	-0.05									1.0
ITAN	SE	625	339	ES	0801	05.53	-0.23									1.0
ITAN	SN	625	339	IAML	0801	07.76			79	0.4						
ITAN	SE	625	339	IAML	0801	09.90			95	1.1						
ZIRO	SZ	660	341	EP	0800	08.78	-0.37									1.0
ZIRO	SN	660	341	ES	0801	13.45	0.30									1.0
ZIRO	SE	660	341	IAML	0801	38.49			383	0.8						
ZIRO	SN	660	341	IAML	0801	39.21			456	0.8						
TURA	SZ	711	305	EP	0800	15.38	0.02									1.0
TURA	SN	711	305	ES	0801	24.01	0.11									1.0
TURA	SE	711	305	IAML	0801	29.38			64	0.8						
TURA	SN	711	305	IAML	0801	29.62			59	0.4						
TAWA	SZ	756	327	EP	0800	20.66	-0.19									1.0
TAWA	SN	756	327	ES	0801	33.25	-0.15									1.0
TAWA	SN	756	327	IAML	0801	39.23			159	0.8						
GTK	SN	958	310	ES	0802	16.32	0.07									1.0
GTK	SE	958	310	IAML	0802	17.84			39	1.0						
GTK	SN	958	310	IAML	0802	17.91			61	0.8						

December 16 2022 Hour: 8: 8 11.4

Ag: NCS Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALCI	BZ			EP		0810	20.34								
ALCI	BN			ES		0811	48.40								
SMLA	HZ			EP		0810	47.77								
SMLA	HE			ES		0812	41.01								
DHRM	HZ			EP		0810	45.75								
DHRM	HN			ES		0812	26.86								
THN	BZ			EP		0810	57.20								
THN	BN			ES		0812	29.35								
SRIN	BZ			EP		0810	03.08								
SRIN	BN			ES		0810	53.23								
UDMP	HZ			EP		0810	49.39								
UDMP	HE			ES		0812	28.51								
SHL	HZ			EP		0811	14.19								
SHL	HN			ES		0812	14.98								

December 16 2022 Hour: 16:32 12.9 Lat: 31.62N Lon: 78.43E D: 9.4

Ag: NCS Local

Magnitudes: 2.7ML NCS 2.8MW NCS						Rms: 0.1 secs									
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SMLA	HZ	131	246	EP		1632	35.32	-0.04							1.0
SMLA	HN	131	246	ES		1632	51.73	-0.01							1.0
SMLA	HN	131	246	IAML		1632	59.46			38	0.5				
SMLA	HE	131	246	IAML		1632	59.88			58	0.3				
BHK	BZ	143	260	EP		1632	37.44	0.12							1.0
BHK	BN	143	260	ES		1632	55.07	-0.07							1.0
BHK	BN	143	260	IAML		1633	17.94			60	0.3				
BHK	BE	143	260	IAML		1633	18.11			49	0.5				
SDNR	BZ	144	267	EP		1632	37.44	0.01							1.0
SDNR	BN	144	267	ES		1632	55.38	0.06							1.0
SDNR	BN	144	267	IAML		1633	04.19			59	0.4				
SDNR	BE	144	267	IAML		1633	04.80			33	0.3				
JOSI	BZ	160	137	EP		1632	39.57	-0.07							1.0
JOSI	BN	160	137	ES		1632	59.33	0.17							1.0
JOSI	BN	160	137	IAML		1633	01.21			47	0.3				

JOSI	BE	160	137	IAML	1633	01.63			53	0.3					
DHRM	HZ	212	290	EP	1632	45.96-0.07								1.0	
DHRM	HN	212	290	ES	1633	09.97-0.24								1.0	
DHRM	HE	212	290	IAML	1633	21.57			98	0.7					
DHRM	HN	212	290	IAML	1633	21.88			89	0.2					
THN	BZ	264	291	EP	1632	52.34 0.02								1.0	
THN	BE	264	291	ES	1633	21.21 0.13								1.0	
PTH	BZ	283	142	EP	1632	54.77 0.15								1.0	
PTH	BN	283	142	ES	1633	24.86-0.21								1.0	
PTH	BN	283	142	IAML	1633	37.02			32	0.7					
PTH	BE	283	142	IAML	1633	38.64			22	0.4					
UDMP	HZ	342	296	EP	1633	01.76-0.13								1.0	
UDMP	HN	342	296	ES	1633	37.93 0.29								1.0	
SRIN	BZ	433	309	EP	1633	13.00-0.00								1.0	
SRIN	BE	433	309	ES	1633	56.77-0.10								1.0	
SRIN	BE	433	309	IAML	1634	19.34			957	0.1					
SRIN	BN	433	309	IAML	1634	19.57			1094	0.1					

December 16 2022 Hour: 18:40 19.7 Lat: 33.17N Lon: 66.46E D: 10.0F Ag: NCS Regional
 Magnitudes: 3.7ML NCS 3.3MW NCS Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JMU	BZ	784	91	EP		1842	02.45-0.16								1.0
JMU	BE	784	91	ES		1843	17.99 0.28								1.0
JMU	BN	784	91	IAML		1843	26.79			96	1.0				
JMU	BE	784	91	IAML		1843	29.86			104	0.5				
UDMP	HZ	810	90	EP		1842	05.01-0.74								1.0
UDMP	HE	810	90	ES		1843	22.91-0.23								1.0
THN	BZ	879	93	EP		1842	14.50 0.29								1.0
THN	BE	879	93	ES		1843	37.25-0.53								1.0
DHRM	HZ	929	94	EP		1842	20.51 0.18								1.0
DHRM	HN	929	94	ES		1843	48.50 0.15								1.0
DHRM	HN	929	94	IAML		1844	19.92			134	0.5				
DHRM	HE	929	94	IAML		1844	20.33			83	0.5				
SDNR	BZ	1000	98	EP		1842	28.96-0.02								1.0
SDNR	BE	1000	98	IAML		1844	43.95			24	0.6				
SDNR	BN	1000	98	IAML		1844	47.84			19	1.0				
ALCI	BZ	1001	80	EP		1842	29.13-0.00								1.0
ALCI	BE	1001	80	ES		1844	03.90 0.31								1.0
ALCI	BE	1001	80	IAML		1844	10.41			16	0.5				
ALCI	BN	1001	80	IAML		1844	24.88			19	0.3				
SMLA	HZ	1036	100	EP		1842	33.71 0.43								1.0
SMLA	HN	1036	100	ES		1844	10.80 0.03								1.0
SMLA	HE	1036	100	IAML		1844	24.36			32	0.6				
SMLA	HN	1036	100	IAML		1844	25.01			25	1.4				

December 17 2022 Hour: 7:54 19.1 Lat: 26.23N Lon: 89.30E D: 10.5 Ag: NCS Local
 Magnitudes: 2.9ML NCS 2.9MW NCS Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TURA	SZ	122	130	EP		0754	40.27 0.12								1.0
TURA	SN	122	130	ES		0754	55.83 0.34								1.0
TURA	SN	122	130	IAML		0754	56.99			177	0.1				
TURA	SE	122	130	IAML		0754	58.21			179	0.2				
SHBG	BZ	200	237	EP		0754	50.03-0.62								1.0
SHBG	BN	200	237	ES		0755	13.51-0.15								1.0
SHBG	BE	200	237	IAML		0755	14.39			163	0.2				
SHBG	BN	200	237	IAML		0755	14.78			250	0.2				
SHL	HZ	280	105	EP		0755	00.32-0.01								1.0
SHL	HN	280	105	ES		0755	30.41-0.00								1.0
SHL	HN	280	105	IAML		0755	30.48			39	0.0				
SHL	HE	280	105	IAML		0755	31.26			20	0.0				
TAWA	SZ	297	59	EP		0755	02.17-0.23								1.0
TAWA	SN	297	59	ES		0755	33.87-0.12								1.0
TAWA	SE	297	59	IAML		0755	35.25			100	0.3				
TAWA	SN	297	59	IAML		0755	35.56			122	0.3				

BOKR	HZ	437	233	EP	0755	18.66	-0.95									1.0
BOKR	HN	437	233	ES	0756	03.85	0.08									1.0
BOKR	HE	437	233	IAML	0756	19.52			18	0.1						
BOKR	HN	437	233	IAML	0756	20.45			20	0.7						
ALBI	BZ	758	264	EP	0756	00.12	1.37									1.0
ALBI	BE	758	264	IAML	0756	55.65			32	0.6						
ALBI	BN	758	264	IAML	0756	57.41			38	0.6						
ALBI	BN	758	264	ES	0757	11.64	0.17									1.0

December 17 2022 Hour: 10:345.4 Lat: 30.89N Lon: 78.01E D: 10.5 Ag: NCS Local
 Magnitudes: 2.7ML NCS 2.9MW NCS Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DDI	HZ	63	176	EP		1003	56.82	0.38							1.0
DDI	HN	63	176	ES		1004	04.78	0.25							1.0
DDI	HE	63	176	IAML		1004	08.83			814	0.1				
DDI	HN	63	176	IAML		1004	08.99			622	0.2				
SMLA	HZ	85	288	EP		1003	59.69	-0.40							1.0
SMLA	HN	85	288	ES		1004	11.23	0.38							1.0
SMLA	HE	85	288	IAML		1004	12.14			227	0.2				
SMLA	HN	85	288	IAML		1004	14.36			137	0.2				
BHK	BZ	117	299	EP		1004	06.50	0.85							1.0
BHK	BN	117	299	ES		1004	21.19	0.73							1.0
BHK	BN	117	299	IAML		1004	36.29			307	0.5				
BHK	BE	117	299	IAML		1004	37.18			231	0.1				
SDNR	BZ	128	305	EP		1004	05.80	-1.46							1.0
SDNR	BN	128	305	ES		1004	21.87	-1.39							1.0
SDNR	BN	128	305	IAML		1004	24.88			147	0.2				
SDNR	BE	128	305	IAML		1004	24.98			115	0.1				
JOSI	BZ	152	104	EP		1004	10.00	-0.99							1.0
JOSI	BN	152	104	ES		1004	29.61	-0.09							1.0
JOSI	BN	152	104	IAML		1004	30.37			164	0.4				
JOSI	BE	152	104	IAML		1004	31.37			96	0.4				
DHRM	HZ	221	313	EP		1004	20.29	0.82							1.0
DHRM	HN	221	313	ES		1004	44.18	-0.20							1.0
DHRM	HE	221	313	IAML		1004	47.65			158	0.4				
DHRM	HN	221	313	IAML		1004	50.24			163	0.4				
HNLY	BZ	228	23	EP		1004	20.68	0.35							1.0
HNLY	BN	228	23	ES		1004	46.72	0.86							1.0
HNLY	BE	228	23	IAML		1004	46.95			15	0.5				
HNLY	BN	228	23	IAML		1004	48.03			10	0.7				
PTH	BZ	256	124	EP		1004	23.21	-0.38							1.0
PTH	BN	256	124	ES		1004	50.82	-0.68							1.0
PTH	BN	256	124	IAML		1004	55.14			52	0.2				
PTH	BE	256	124	IAML		1004	55.35			50	0.5				
LGTI	BZ	260	129	EP		1004	24.52	0.38							1.0
LGTI	BN	260	129	ES		1004	52.97	0.53							1.0
LGTI	BE	260	129	IAML		1004	57.62			22	0.3				
LGTI	BN	260	129	IAML		1004	57.67			31	0.3				
THN	BZ	271	310	EP		1004	25.50	-0.04							1.0
THN	BN	271	310	ES		1004	54.91	0.04							1.0
THN	BE	271	310	ES		1004	54.91	0.04							1.0
ALCI	BZ	377	348	EP		1004	38.42	-0.03							1.0
ALCI	BN	377	348	ES		1005	17.24	0.03							1.0
ALCI	BN	377	348	IAML		1005	28.83			21	0.3				
ALCI	BE	377	348	IAML		1005	30.47			39	0.3				

December 17 2022 Hour: 14:24 21.8 Lat: 37.64N Lon: 77.62E D: 15.0F Ag: NCS Regional
 Magnitudes: 3.8ML NCS 3.8MW NCS Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALCI	BZ	382	186	EP		1425	15.20	0.18							1.0
ALCI	BN	382	186	ES		1425	53.41	-0.47							1.0
ALCI	BE	382	186	IAML		1426	10.61			305	0.5				
ALCI	BN	382	186	IAML		1426	11.05			398	0.8				
SRIN	BZ	473	213	EP		1425	26.23	0.20							1.0

SRIN	BN	473	213	ES	1426	13.29	0.36									1.0
SRIN	BN	473	213	IAML	1426	16.57			334	0.4						
UDMP	HZ	571	204	EP	1425	37.62	-0.44									1.0
UDMP	HE	571	204	ES	1426	34.17	0.45									1.0
JMU	BZ	596	206	EP	1425	41.13	0.04									1.0
JMU	BN	596	206	ES	1426	39.01	0.03									1.0
JMU	BN	596	206	IAML	1426	39.91			353	0.3						
JMU	BE	596	206	IAML	1426	42.91			190	0.7						
THN	BZ	600	197	EP	1425	41.21	-0.39									1.0
THN	BE	600	197	ES	1426	39.80	-0.06									1.0
SDNR	BZ	680	186	EP	1425	52.28	0.92									1.0
SDNR	BE	680	186	ES	1426	55.70	-1.04									1.0
SDNR	BE	680	186	IAML	1427	00.06			54	0.2						
SDNR	BN	680	186	IAML	1427	01.85			59	1.2						
BHK	BZ	696	185	EP	1425	52.86	-0.43									1.0
BHK	BN	696	185	ES	1427	00.17	0.09									1.0
BHK	BE	696	185	IAML	1427	02.18			155	0.3						
BHK	BN	696	185	IAML	1427	03.62			164	0.7						
JOSI	BZ	806	167	EP	1426	06.68	-0.02									1.0
JOSI	BN	806	167	ES	1427	23.83	0.55									1.0
JOSI	BE	806	167	IAML	1427	30.97			165	1.0						
JOSI	BN	806	167	IAML	1427	31.53			147	0.8						
PTH	BZ	925	164	EP	1426	21.43	0.21									1.0
PTH	BN	925	164	IAML	1427	46.12			36	0.2						
PTH	BN	925	164	ES	1427	48.84	0.44									1.0
LGTI	BZ	943	165	EP	1426	22.97	-0.51									1.0
LGTI	BN	943	165	ES	1427	52.21	-0.09									1.0
LGTI	BE	943	165	IAML	1427	55.42			11	0.4						

December 17 2022 Hour: 16: 5 47.2 Lat: 24.34N Lon: 94.59E D: 38.7 Ag: NCS Regional
Magnitudes: 4.1ML NCS 4.1MW NCS Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CMPI	HZ	160	235	EP		1606	11.05	-0.17							1.0
CMPI	HN	160	235	ES		1606	28.72	-0.01							1.0
CMPI	HN	160	235	IAML		1606	36.40			5661	0.4				
CMPI	HE	160	235	IAML		1606	41.59			5519	0.5				
SAIH	SZ	262	219	EP		1606	23.50	0.00							1.0
SAIH	SE	262	219	ES		1606	49.87	-0.10							1.0
SAIH	SN	262	219	IAML		1606	52.16			623	0.2				
SAIH	SE	262	219	IAML		1606	53.41			1242	0.4				
SHL	HZ	296	298	EP		1606	27.68	0.11							1.0
SHL	HN	296	298	ES		1606	57.15	0.13							1.0
SHL	HN	296	298	IAML		1607	00.22			1996	0.1				
SHL	HE	296	298	IAML		1607	00.57			1391	0.4				
ITAN	SZ	323	344	EP		1606	30.87	-0.02							1.0
ITAN	SN	323	344	ES		1607	01.56	-1.20							1.0
ITAN	SN	323	344	IAML		1607	04.94			753	0.3				
ITAN	SE	323	344	IAML		1607	07.45			1063	0.3				
TAWA	SZ	452	323	EP		1606	46.73	0.09							1.0
TAWA	SN	452	323	ES		1607	30.49	0.47							1.0
TAWA	SN	452	323	IAML		1607	33.84			971	0.2				
TAWA	SE	452	323	IAML		1607	34.58			850	0.2				
HAUL	HZ	458	25	EP		1606	47.16	-0.09							1.0
HAUL	HN	458	25	ES		1607	31.61	0.54							1.0
HAUL	HE	458	25	IAML		1607	35.10			2279	0.2				
HAUL	HN	458	25	IAML		1607	37.97			1894	0.2				
TURA	SZ	460	287	EP		1606	47.68	0.09							1.0
TURA	SE	460	287	ES		1607	31.77	0.11							1.0
TURA	SE	460	287	IAML		1607	32.60			733	0.4				
TURA	SN	460	287	IAML		1607	34.53			806	0.2				
GTK	SN	685	300	ES		1608	19.34	0.05							1.0
GTK	SE	685	300	IAML		1608	25.05			131	0.3				
GTK	SN	685	300	IAML		1608	25.91			121	0.3				

December 17 2022 Hour: 19:4 1.5 Lat: 22.57N Lon: 94.05E D: 83.5 Ag: NCS Regional
 Magnitudes: 3.2ML NCS 3.4MW NCS Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SAIH	SZ	110	266	EP		1904	20.91	0.17							1.0
SAIH	SN	110	266	ES		1904	34.73	-0.07							1.0
SAIH	SE	110	266	IAML		1904	40.47			103	0.3				
SAIH	SN	110	266	IAML		1904	41.53			132	0.2				
CMPI	HZ	128	324	EP		1904	22.88	0.03							1.0
CMPI	HE	128	324	ES		1904	38.26	-0.18							1.0
CMPI	HE	128	324	IAML		1904	41.39			298	0.3				
CMPI	HN	128	324	IAML		1904	42.41			146	0.5				
SHL	HZ	393	328	EP		1904	54.62	0.57							1.0
SHL	HN	393	328	ES		1905	33.27	0.86							1.0
SHL	HE	393	328	IAML		1905	34.66			84	0.1				
SHL	HN	393	328	IAML		1905	34.83			168	0.1				
TURA	SZ	509	311	EP		1905	07.65	-0.38							1.0
TURA	SN	509	311	ES		1905	56.37	-0.23							1.0
TURA	SE	509	311	IAML		1906	00.95			72	0.3				
TURA	SN	509	311	IAML		1906	00.97			71	0.3				
TAWA	SZ	599	339	EP		1905	18.72	-0.33							1.0
TAWA	SN	599	339	ES		1906	15.21	-0.46							1.0
TAWA	SN	599	339	IAML		1906	16.38			173	0.5				
TAWA	SE	599	339	IAML		1906	17.50			256	0.4				
GTK	SN	762	315	ES		1906	50.01	0.02							1.0
GTK	SE	762	315	IAML		1906	57.20			16	0.3				
GTK	SN	762	315	IAML		1906	59.15			16	0.3				

December 18 2022 Hour: 7:20 53.5 Lat: 22.92N Lon: 93.43E D: 8.3 Ag: NCS Regional
 Magnitudes: 2.9ML NCS 3.1MW NCS Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CMPI	HZ	65	349	EP		0721	05.37	0.24							1.0
CMPI	HE	65	349	ES		0721	13.55	-0.08							1.0
CMPI	HN	65	349	ES		0721	13.55	-0.08							1.0
CMPI	HN	65	349	IAML		0721	17.80			1408	0.5				
CMPI	HE	65	349	IAML		0721	20.09			1971	0.6				
SAIH	SZ	66	224	EP		0721	05.23	0.17							1.0
SAIH	SE	66	224	ES		0721	13.39	-0.12							1.0
SAIH	SN	66	224	ES		0721	13.47	-0.04							1.0
SAIH	SE	66	224	IAML		0721	29.12			494	0.6				
IMP	SZ	218	14	EP		0721	27.64	0.19							1.0
IMP	SN	218	14	ES		0721	52.38	0.13							1.0
IMP	SE	218	14	ES		0721	52.40	0.15							1.0
IMP	SN	218	14	IAML		0721	55.15			29	0.4				
IMP	SE	218	14	IAML		0721	58.00			33	0.2				
SHL	HZ	328	334	EP		0721	40.50	-0.37							1.0
SHL	HE	328	334	ES		0722	15.61	0.14							1.0
SHL	HN	328	334	ES		0722	15.61	0.14							1.0
SHL	HE	328	334	IAML		0722	16.82			44	0.2				
SHL	HN	328	334	IAML		0722	16.94			88	0.0				
MOKO	SZ	393	16	EP		0721	48.81	0.00							1.0
MOKO	SN	393	16	ES		0722	28.96	-0.24							1.0
MOKO	SE	393	16	ES		0722	28.96	-0.24							1.0
MOKO	SE	393	16	IAML		0722	37.23			43	0.4				

December 18 2022 Hour: 11:28 43.9 Lat: 36.49N Lon: 71.42E D:180.0F Ag: NCS Regional
 Magnitudes: 3.8ML NCS 3.7MW NCS Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
UDMP	HZ	522	138	EP		1129	53.96	0.05							1.0
UDMP	HN	522	138	ES		1130	44.88	-0.10							1.0
UDMP	HE	522	138	ES		1130	44.88	-0.10							1.0
DHRM	HZ	651	135	EP		1130	08.74	-0.29							1.0
DHRM	HN	651	135	ES		1131	11.05	-0.10							1.0
DHRM	HE	651	135	ES		1131	11.05	-0.10							1.0

DHRM	HE	651	135	IAML	1131	14.44		424	0.9	
DHRM	HN	651	135	IAML	1131	16.37		311	0.5	
SDNR	BZ	747	136	EP	1130	20.55	0.12			1.0
SDNR	BN	747	136	ES	1131	30.99	0.12			1.0
SDNR	BE	747	136	ES	1131	30.99	0.12			1.0
SDNR	BN	747	136	IAML	1131	32.73		42	0.6	
SDNR	BE	747	136	IAML	1131	34.52		36	0.5	
SMLA	HZ	798	137	EP	1130	26.57	0.14			1.0
SMLA	HE	798	137	ES	1131	41.32	0.07			1.0
SMLA	HN	798	137	ES	1131	41.32	0.07			1.0
SMLA	HE	798	137	IAML	1131	44.49		97	0.3	

December 18 2022 Hour: 13:29 22.9 Lat: 34.36N Lon: 82.29E D: 7.8 Ag: NCS Regional
Magnitudes: 3.4ML NCS 3.4MW NCS Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALCI	BZ	470	269	EP		1330	27.63	-0.14							1.0
ALCI	BN	470	269	ES		1331	15.49	0.38							1.0
ALCI	BE	470	269	IAML		1331	26.82			55	1.8				
ALCI	BN	470	269	IAML		1331	32.27			34	1.2				
JOSI	BZ	494	212	EP		1330	30.71	0.07							1.0
JOSI	BE	494	212	ES		1331	20.27	0.20							1.0
JOSI	BE	494	212	IAML		1331	32.67			130	0.8				
JOSI	BN	494	212	IAML		1331	38.74			80	0.8				
PTH	BZ	565	201	EP		1330	39.25	-0.05							1.0
PTH	BN	565	201	ES		1331	34.97	-0.09							1.0
PTH	BE	565	201	IAML		1331	39.75			33	0.8				
PTH	BN	565	201	IAML		1331	44.20			27	0.7				
LGTI	BZ	589	201	EP		1330	42.33	0.04							1.0
LGTI	BN	589	201	ES		1331	40.10	-0.13							1.0
LGTI	BE	589	201	IAML		1331	47.23			15	1.1				
LGTI	BN	589	201	IAML		1331	47.33			38	1.3				
SDNR	BZ	593	240	EP		1330	42.67	-0.02							1.0
SDNR	BE	593	240	ES		1331	41.12	0.21							1.0
SDNR	BE	593	240	IAML		1331	43.48			34	1.5				
SDNR	BN	593	240	IAML		1331	46.33			26	0.7				
SMLA	HZ	599	235	EP		1330	43.36	-0.02							1.0
SMLA	HN	599	235	ES		1331	42.16	0.04							1.0
SMLA	HE	599	235	IAML		1331	54.14			72	1.4				
BHK	BZ	599	238	EP		1330	43.35	-0.16							1.0
BHK	BN	599	238	ES		1331	42.49	0.16							1.0
BHK	BN	599	238	IAML		1331	55.40			88	0.5				
BHK	BE	599	238	IAML		1331	56.04			56	1.0				
DDI	HZ	600	223	EP		1330	43.36	-0.14							1.0
DDI	HN	600	223	ES		1331	42.50	0.18							1.0
DDI	HN	600	223	IAML		1331	47.77			64	0.7				
DDI	HE	600	223	IAML		1331	48.49			122	0.4				
DHRM	HZ	605	249	EP		1330	44.38	0.21							1.0
DHRM	HN	605	249	ES		1331	43.52	0.04							1.0
DHRM	HE	605	249	IAML		1331	50.23			49	2.1				
THN	BZ	640	252	EP		1330	48.48	0.03							1.0
THN	BN	640	252	ES		1331	50.35	-0.53							1.0
CGRH	BZ	656	234	EP		1330	50.19	-0.15							1.0
CGRH	BE	656	234	ES		1331	54.11	-0.05							1.0
CGRH	BN	656	234	IAML		1331	57.87			232	0.3				
CGRH	BE	656	234	IAML		1332	00.91			306	0.3				
UDMP	HZ	684	258	EP		1330	53.96	0.17							1.0
UDMP	HN	684	258	ES		1331	59.93	-0.19							1.0
JMU	BZ	714	258	EP		1330	57.71	0.15							1.0
JMU	BE	714	258	ES		1332	06.42	-0.22							1.0
JMU	BN	714	258	IAML		1332	11.43			120	0.9				
JMU	BE	714	258	IAML		1332	22.08			97	1.2				

December 18 2022 Hour: 13:54 11.4 Lat: 38.40N Lon: 75.52E D: 10.0F Ag: NCS Regional

Magnitudes: 3.8ML NCS 3.3MW NCS

Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALCI	BZ	488	162	EP		1355	19.21	1.07							1.0
ALCI	BE	488	162	ES		1356	07.17	0.30							1.0
ALCI	BN	488	162	IAML		1356	09.07			67	0.2				
ALCI	BE	488	162	IAML		1356	11.14			85	0.4				
UDMP	HZ	610	184	EP		1355	32.18	-0.80							1.0
UDMP	HN	610	184	ES		1356	32.42	-0.11							1.0
JMU	BZ	627	186	EP		1355	35.59	0.51							1.0
JMU	BN	627	186	ES		1356	37.12	0.95							1.0
JMU	BE	627	186	IAML		1356	38.43			294	0.9				
JMU	BN	627	186	IAML		1356	40.70			234	0.5				
THN	BZ	662	178	EP		1355	39.30	-0.04							1.0
THN	BN	662	178	ES		1356	43.63	0.08							1.0
DHRM	HZ	686	174	EP		1355	42.11	-0.27							1.0
DHRM	HE	686	174	ES		1356	48.58	-0.21							1.0
DHRM	HN	686	174	IAML		1356	49.51			304	0.6				
DHRM	HE	686	174	IAML		1356	52.94			259	0.2				
SDNR	BZ	772	170	EP		1355	52.47	-0.30							1.0
SDNR	BE	772	170	ES		1357	06.32	-0.45							1.0
SDNR	BE	772	170	IAML		1357	07.90			51	0.4				
BHK	BZ	788	170	EP		1355	55.17	0.41							1.0
BHK	BE	788	170	ES		1357	09.62	-0.60							1.0
BHK	BE	788	170	IAML		1357	11.59			102	0.2				
BHK	BN	788	170	IAML		1357	12.39			115	0.5				
SMLA	HZ	821	169	EP		1355	57.78	-0.93							1.0
SMLA	HE	821	169	IAML		1357	18.48			158	0.2				
SMLA	HN	821	169	IAML		1357	18.91			126	0.5				
JOSI	BZ	946	156	EP		1356	14.19	0.23							1.0
JOSI	BE	946	156	ES		1357	43.58	0.15							1.0
JOSI	BE	946	156	IAML		1357	45.93			58	0.5				

December 18 2022 Hour: 16: 7 51.3 Lat: 33.75N Lon: 84.53E D: 25.0F Ag: NCS Regional

Magnitudes: 3.2ML NCS 3.6MW NCS

Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JOSI	BZ	587	234	EP		1609	07.25	-1.17							1.0
JOSI	BE	587	234	ES		1610	04.44	-0.30							1.0
JOSI	BN	587	234	IAML		1610	16.80			56	1.1				
JOSI	BE	587	234	IAML		1610	17.40			36	1.3				
PTH	BZ	617	223	EP		1609	11.83	-0.21							1.0
PTH	BE	617	223	ES		1610	11.31	0.30							1.0
PTH	BN	617	223	IAML		1610	14.73			27	1.7				
PTH	BE	617	223	IAML		1610	15.81			18	0.7				
LGTI	BZ	641	222	EP		1609	14.91	-0.09							1.0
LGTI	BE	641	222	ES		1610	16.79	0.67							1.0
LGTI	BN	641	222	IAML		1610	19.27			14	1.0				
LGTI	BE	641	222	IAML		1610	19.50			27	1.4				
SMLA	HZ	750	249	EP		1609	28.45	0.19							1.0
SMLA	HE	750	249	ES		1610	38.44	-0.63							1.0
SMLA	HE	750	249	IAML		1610	44.83			52	0.8				
SMLA	HN	750	249	IAML		1610	46.35			27	0.9				
SDNR	BZ	756	253	EP		1609	29.01	0.02							1.0
SDNR	BE	756	253	ES		1610	40.69	0.35							1.0
SDNR	BN	756	253	IAML		1610	52.67			17	2.4				
SDNR	BE	756	253	IAML		1610	58.00			22	1.7				
DHRM	HZ	786	260	EP		1609	33.07	0.33							1.0
DHRM	HE	786	260	ES		1610	46.28	-0.55							1.0
DHRM	HN	786	260	IAML		1610	50.45			17	1.1				
DHRM	HE	786	260	IAML		1610	52.24			26	1.3				
THN	BZ	827	262	EP		1609	38.22	0.50							1.0
THN	BN	827	262	ES		1610	56.19	0.75							1.0
UDMP	HZ	880	267	EP		1609	44.47	0.29							1.0

UDMP HN 880 267 ES 1611 06.17-0.45 1.0

December 18 2022 Hour: 20:20 8.1 Lat: 30.57N Lon: 78.67E D: 5.0F Ag: NCS Local

Magnitudes: 2.9ML NCS 3.0MW NCS Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DDI	HZ	65	245	EP		2020	18.74	-0.69							1.0
DDI	HE	65	245	ES		2020	27.09	-0.64							1.0
DDI	HN	65	245	IAML		2020	27.67			876	0.4				
DDI	HE	65	245	IAML		2020	28.31			944	0.2				
JOSI	BZ	85	91	EP		2020	22.26	-0.55							1.0
JOSI	BE	85	91	ES		2020	33.16	-0.42							1.0
JOSI	BN	85	91	IAML		2020	35.52			115	0.3				
JOSI	BE	85	91	IAML		2020	35.75			85	0.6				
SMLA	HZ	156	294	EP		2020	34.57	-0.12							1.0
SMLA	HE	156	294	IAML		2020	52.03			203	0.5				
SMLA	HN	156	294	IAML		2020	53.09			110	0.2				
SMLA	HN	156	294	ES		2020	54.34	0.21							1.0
PTH	BZ	184	126	EP		2020	38.28	0.08							1.0
PTH	BN	184	126	ES		2021	00.73	0.54							1.0
PTH	BE	184	126	IAML		2021	03.18			100	0.0				
PTH	BN	184	126	IAML		2021	03.27			89	0.3				
BHK	BZ	189	299	EP		2020	38.57	-0.35							1.0
LGTI	BZ	189	133	EP		2020	39.00	0.11							1.0
LGTI	BN	189	133	ES		2021	01.88	0.49							1.0
LGTI	BE	189	133	IAML		2021	02.56			38	0.1				
LGTI	BN	189	133	IAML		2021	02.99			60	0.1				
BHK	BE	189	299	ES		2021	01.75	0.30							1.0
BHK	BE	189	299	IAML		2021	13.34			108	0.4				
BHK	BN	189	299	IAML		2021	13.63			68	0.4				
SDNR	BZ	200	303	EP		2020	40.35	0.16							1.0
SDNR	BN	200	303	IAML		2021	00.90			67	0.3				
SDNR	BE	200	303	IAML		2021	01.00			107	0.7				
SDNR	BN	200	303	ES		2021	04.20	0.55							1.0
NDI	HZ	253	214	EP		2020	46.64	-0.03							1.0
NDI	HE	253	214	ES		2021	15.14	0.28							1.0
NDI	HE	253	214	IAML		2021	16.72			71	0.2				
NDI	HN	253	214	IAML		2021	17.23			65					
NPL	BZ	259	215	EP		2020	47.40	-0.01							1.0
NPL	BE	259	215	ES		2021	16.51	0.39							1.0
NPL	BN	259	215	IAML		2021	19.72			245	0.2				
NPL	BE	259	215	IAML		2021	22.71			259	0.2				
DHRM	HZ	292	310	EP		2020	51.81	0.33							1.0
DHRM	HN	292	310	ES		2021	23.70	0.54							1.0
DHRM	HE	292	310	IAML		2021	34.02			52	0.5				
THN	BZ	342	308	EP		2020	57.79	0.17							1.0
THN	BN	342	308	ES		2021	34.39	0.60							1.0
UDMP	HZ	425	309	EP		2021	06.10	-1.55							1.0
UDMP	HE	425	309	ES		2021	50.07	-1.08							1.0
SRIN	BZ	531	318	EP		2021	20.75	0.14							1.0
SRIN	BN	531	318	ES		2022	14.14	0.57							1.0
SRIN	BN	531	318	IAML		2022	15.77			256	0.1				
SRIN	BE	531	318	IAML		2022	17.37			246	0.3				

December 19 2022 Hour: 15:50 47.4 Lat: 39.13N Lon: 69.35E D: 33.0F Ag: NCS Regional

Magnitudes: 3.7ML NCS Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
UDMP	HZ	864	141	EP		*1552	43.75	6.04							0.0
UDMP	HN	864	141	ES		1554	04.72	0.48							1.0
ALCI	BZ	888	126	EP		1552	41.08	0.21							1.0
ALCI	BN	888	126	ES		1554	03.57	-0.09							1.0
DHRM	HZ	990	138	EP		1552	54.24	1.07							1.0
DHRM	HN	990	138	ES		1554	24.46	-0.49							1.0
DHRM	HN	990	138	IAML		1554	30.12			41	0.4				
DHRM	HE	990	138	IAML		1554	34.41			35	1.1				

SDNR	BZ	1087	139	EP	1553	04.17	-0.78										1.0
SDNR	BN	1087	139	ES	1554	45.68	0.35										1.0
SMLA	HZ	1138	139	EP	1553	11.25	-0.03										1.0
SMLA	HE	1138	139	ES	1554	56.04	-0.25										1.0
SMLA	HE	1138	139	IAML	1554	59.55				19	0.4						

December 19 2022 Hour: 17:31 13.6 Lat: 19.97N Lon: 97.09E D: 10.0F Ag: NCS Regional
Magnitudes: 3.6ML NCS Rms: 1.0 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SAIH	SZ	509	304	EP		1732	21.53	-1.36							1.0
SAIH	SE	509	304	ES		1733	14.53	1.03							1.0
CMPI	HZ	552	316	EP		1732	29.10	0.86							1.0
CMPI	HE	552	316	ES		1733	22.90	0.14							1.0
CMPI	HE	552	316	IAML		1733	30.22			167	0.7				
CMPI	HN	552	316	IAML		1733	30.59			103	0.3				
IMP	SZ	627	330	EP		1732	38.54	1.20							1.0
SHL	HZ	820	320	EP		1733	00.21	-0.74							1.0
SHL	HE	820	320	ES		1734	18.23	-1.12							1.0

December 20 2022 Hour: 2:11 58.1 Lat: 32.47N Lon: 94.35E D: 10.0F Ag: NCS Regional
Magnitudes: 3.6ML NCS 3.7MW NCS Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TUTG	HN	389	172	EP		0212	52.94	0.27							1.0
TUTG	HE	389	172	ES		0213	32.74	0.23							1.0
HAUL	HZ	529	156	EP		0213	10.45	0.60							1.0
MOKO	SZ	681	179	EP		0213	28.70	0.19							1.0
MOKO	SN	681	179	ES		0214	33.40	-1.13							1.0
MOKO	SN	681	179	IAML		0215	01.61			81	0.4				
MOKO	SE	681	179	IAML		0215	02.04			75	0.4				
MOKO	SZ	681	179	I		0217	02.89								
SHL	HZ	802	198	EP		0213	42.26	-1.04							1.0
SHL	HN	802	198	E		0214	56.84								
TURA	SZ	868	209	EP		0213	50.60	-0.64							1.0
TURA	SE	868	209	ES		0215	14.87	1.03							1.0
CMPI	HZ	999	186	EP		0214	07.60	0.25							1.0
CMPI	HN	999	186	ES		0215	41.60	-0.11							1.0
SAIH	SZ	1114	187	EP		0214	21.42	0.17							1.0
SAIH	SN	1114	187	ES		0216	05.95	0.18							1.0

December 20 2022 Hour: 9:54 39.7 Lat: 37.09N Lon: 78.42E D: 20.0 Ag: NCS Regional
Magnitudes: 3.7ML NCS Rms: 1.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALCI	BZ	338	200	EPN		0955	29.65	1.73							1.0
ALCI	BZ	338	200	IPG		0955	39.09	0.72							1.0
ALCI	BE	338	200	E		0956	07.41								
HNLY	BZ	481	174	EP		0955	47.95	2.45							1.0
UDMP	HZ	552	214	EP		0955	54.23	0.46							1.0
UDMP	HN	552	214	ES		0956	45.34	-2.50							1.0
THN	BN	569	206	ES		0956	51.92	0.68							1.0
DHRM	HZ	571	200	EP		0955	55.58	-0.62							1.0
DHRM	HE	571	200	ES		0956	53.61	1.56							1.0
DHRM	HE	571	200	IAML		0956	58.89			174	0.3				
DHRM	HN	571	200	IAML		0957	04.05			155	0.4				
SDNR	BZ	632	193	EP		0956	03.46	-0.09							1.0
SDNR	BE	632	193	EP		0956	04.85								
SDNR	BE	632	193	ES		0957	07.20	2.44							1.0
SMLA	HZ	671	190	EP		0956	07.92	-0.56							1.0
SMLA	HN	671	190	ES		0957	11.92	-1.36							1.0
SMLA	HN	671	190	IAML		0957	14.85			136	0.4				
SMLA	HE	671	190	IAML		0957	15.06			96	0.3				
DDI	HE	751	183	E		0957	25.22								
PTH	BZ	849	168	E		0956	42.61								
PTH	BN	849	168	ES		0957	49.12	-1.48							1.0
KUDL	HZ	1009	191	EP		0956	47.77	-1.67							1.0

KUDL HN 1009 191 ES 0958 22.39-1.76 1.0

December 20 2022 Hour: 17:36 40.7 Lat: 33.36N Lon: 70.71E D: 32.6 Ag: NCS Regional

Magnitudes: 3.6ML NCS

Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	388	77	E		1737	19.66								0.0
SRIN	BN	388	77	ES		1738	11.24	0.16							0.0
SRIN	BE	388	77	IAML		1738	15.97			648	0.3				
JMU	BZ	391	98	EP		1737	33.33	0.15							1.0
JMU	BN	391	98	ES		1738	11.39	-0.06							1.0
JMU	BE	391	98	IAML		1738	18.54			183	0.6				
JMU	BN	391	98	IAML		1738	24.53			222	0.6				
UDMP	HZ	415	96	EP		1737	35.51	-0.73							1.0
UDMP	HE	415	96	ES		1738	16.52	-0.24							1.0
THN	BZ	488	101	EP		1737	45.82	0.74							1.0
THN	BN	488	101	ES		1738	32.55	0.51							1.0
DHRM	HZ	539	102	EP		1737	50.80	-0.68							1.0
DHRM	HN	539	102	ES		1738	43.62	0.50							1.0
DHRM	HE	539	102	IAML		1739	01.37			128	0.4				
SDNR	BZ	617	107	EP		1738	00.84	-0.07							1.0
SDNR	BE	617	107	ES		1738	59.01	-0.42							1.0
SMLA	HZ	657	110	EP		1738	07.10	1.15							1.0
SMLA	HE	657	110	ES		1739	07.83	-0.31							1.0
SMLA	HE	657	110	IAML		1739	09.51			61	0.4				
SMLA	HN	657	110	I		1739	33.96								
PTH	BZ	994	112	EP		1738	46.49	-0.55							1.0

December 20 2022 Hour: 21:21 17.6 Lat: 24.64N Lon: 96.24E D: 10.0F Ag: NCS Regional

Magnitudes: 3.4ML NCS

Rms: 1.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CMPI	HZ	324	248	EP		2122	03.60	-0.84							1.0
CMPI	HN	324	248	ES		2122	40.14	1.51							1.0
CMPI	HN	324	248	IAML		2122	44.95			271	0.7				
CMPI	HE	324	248	IAML		2122	45.05			250	0.2				
HAUL	HZ	382	4	EP		2122	12.89	1.44							1.0
SAIH	SZ	409	235	EP		2122	12.79	-1.96							1.0
SAIH	SE	409	235	ES		2122	57.82	1.36							1.0
SAIH	SE	409	235	IAML		2123	09.01			124	0.1				
SHL	HZ	454	284	EP		2122	19.39	-0.96							1.0
SHL	HN	454	284	ES		2123	04.93	-1.22							1.0
AGT	SN	514	262	E		2123	25.50								
AGT	SN	514	262	IAML		2123	29.29			85					
TURA	SZ	615	280	EP		2122	39.84	0.02							1.0
TURA	SN	615	280	ES		2123	40.47	0.64							1.0
TURA	SE	615	280	IAML		2123	46.55			54	0.5				

December 21 2022 Hour: 0:9 58.7 Lat: 25.91N Lon: 90.83E D: 10.0F Ag: NCS Local

Magnitudes: 3.2ML NCS

Rms: 1.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TURA	SZ	75	234	EPg		0010	11.72	0.02							1.0
TURA	SN	75	234	ESg		0010	20.46	-0.71							1.0
SHL	HZ	110	110	EPg		0010	18.05	0.32							1.0
SHL	HN	110	110	ESg		0010	30.97	-0.62							1.0
SHL	HN	110	110	IAML		0010	31.88			621	0.1				
AGT	SZ	228	169	EP		0010	33.29	-1.57							1.0
AGT	SN	228	169	ES		0011	03.23	2.01							1.0
GTK	SE	271	306	ES		0011	11.22	0.54							1.0
CMPI	HZ	367	136	E		0010	51.61								
SAIH	SZ	438	150	E		0010	59.77								
SAIH	SN	438	150	E		0011	09.84								

December 21 2022 Hour: 2:27 2.3 Lat: 36.66N Lon: 71.73E D:198.6 Ag: NCS Regional

Magnitudes: 4.6ML NCS

Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	402	135	EP		0227	58.88	-0.63							1.0
SRIN	BN	402	135	ES		0228	42.14	0.89							1.0
SRIN	BN	402	135	IAML		0228	43.40			3053	0.4				
SRIN	BE	402	135	IAML		0228	43.92			3274	0.6				
JMU	BZ	515	146	IP	D	0228	12.52	0.38							1.0
JMU	BE	515	146	ES		0229	03.48	0.37							1.0
JMU	BE	515	146	IAML		0229	06.98			902	0.6				
JMU	BN	515	146	IAML		0229	07.16			1817	0.4				
UDMP	HZ	519	142	EP		0228	12.00	-0.57							1.0
UDMP	HN	519	142	ES		0229	03.82	-0.03							1.0
THN	BZ	599	140	EP		0228	21.32	-0.50							1.0
THN	BN	599	140	ES		0229	18.99	-0.86							1.0
BHK	BZ	756	139	EP	*	0228	36.11	-4.13							0.0
BHK	BN	756	139	ES		0229	46.47	-1.12							1.0
BHK	BE	756	139	IAML		0229	50.46			414	0.2				
HNLY	BZ	790	121	EP		0228	44.58	-0.21							1.0
NDI	HE	1022	148	ES		0230	46.48	0.14							1.0
LGTI	BZ	1121	134	EP		0229	22.65	-1.13							1.0
LGTI	BN	1121	134	ES		0231	08.48	1.44							1.0
UDPR	BZ	1352	171	EP		0229	52.88	1.57							1.0
UDPR	BE	1352	171	ES		0231	53.83	-0.85							1.0

December 21 2022 Hour: 4:16 23.1 Lat: 19.25N Lon: 84.32E D: 33.6 Ag: NCS Local

Magnitudes: 3.6ML NCS 3.0MW NCS

Rms: 1.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BWNR	BZ	193	55	EP		0416	51.35	0.09							1.0
BWNR	BN	193	55	ES		0417	11.21	-0.59							1.0
BWNR	BE	193	55	IAML		0417	12.75			725	0.1				
VISK	HZ	199	212	EPG		0416	54.99	-0.08							1.0
VISK	HZ	199	212	I		0417	00.47								
VISK	HE	199	212	ESN		0417	13.67	0.59							1.0
VISK	HN	199	212	ESG		0417	17.33	-1.06							1.0
JGDP	HZ	241	266	EP	*	0416	57.46	0.27							0.0
JGDP	HN	241	266	ES		0417	22.21	-0.12							1.0
RAIP	HZ	353	308	EP		0417	13.72	2.89							1.0
RAIP	HE	353	308	ES		0417	44.37	-1.29							1.0
VJD	BE	493	233	E		0418	34.81								
BOKR	HZ	529	18	E		0417	38.27								
BOKR	HN	529	18	E		0418	33.40								
NGP	BE	590	292	ES		0418	36.77	0.95							1.0
JBPL	HE	630	315	ES		0418	43.31	-0.97							1.0
JBPL	HE	630	315	I		0419	08.72								
CNWR	HZ	641	300	E		0418	02.84								
CNWR	HE	641	300	ES		0418	46.10	-0.53							1.0

December 21 2022 Hour: 6:27 38.4 Lat: 36.65N Lon: 70.83E D:150.0F Ag: NCS Regional

Magnitudes: 3.8ML NCS

Rms: 1.0 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JMU	BZ	564	138	EP		0628	56.57	1.03							1.0
JMU	BN	564	138	ES		0629	53.32	1.45							1.0
UDMP	HZ	571	135	EP		0628	57.11	0.69							1.0
UDMP	HN	571	135	ES		0629	53.83	0.43							1.0
ALCI	BZ	637	113	EP		0629	04.85	0.07							1.0
ALCI	BN	637	113	ES		0630	07.60	-0.26							1.0
DHRM	HZ	701	133	EP		0629	12.42	-0.01							1.0
DHRM	HN	701	133	ES		0630	20.37	-0.73							1.0
DHRM	HN	701	133	IAML		0630	21.31			170	0.3				
DHRM	HE	701	133	IAML		0630	21.53			140	0.3				
SMLA	HZ	847	134	EP		0629	28.45	-1.87							1.0
SMLA	HN	847	134	ES		0630	50.38	-1.67							1.0

SMLA	HE	847	134	IAML	0630	52.24			67	0.3				
SMLA	HN	847	134	IAML	0630	52.37			51	0.2				
HNLY	BZ	860	118	EP	0629	32.21	0.03							1.0
HNLY	BE	860	118	ES	0630	56.11	0.85							1.0
SDNR	BZ			EP	0629	22.98								
SDNR	BN			ES	0630	38.94								
THN	BZ			IP	0629	06.10								
THN	BN			ES	0630	08.98								

December 21 2022 Hour: 8:55 36.9 Lat: 32.65N Lon: 76.76E D: 5.0F Ag: NCS Local
Magnitudes: 2.2ML NCS Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DHRM	HZ	62	223	EPg		0855	47.37	-0.22							1.0
DHRM	HN	62	223	ESg		0855	54.20	-1.23							1.0
DHRM	HE	62	223	IAML		0855	56.40			105	0.4				
DHRM	HN	62	223	IAML		0855	58.14			80	0.6				
THN	BZ	93	255	EP		0855	53.14	0.25							1.0
THN	BN	93	255	ESg		0856	05.36	0.77							1.0
SMLA	HZ	174	167	EP		0856	06.51	-0.11							1.0
SMLA	HN	174	167	ES		0856	28.65	0.30							1.0
SMLA	HE	174	167	IAML		0856	30.39			33	0.3				
SMLA	HN	174	167	IAML		0856	31.00			36	0.4				
ALCI	BZ	177	13	EPg		0856	08.64	1.10							1.0
ALCI	BE	177	13	ESg		0856	28.69	-1.25							1.0
HNLY	BZ	208	86	EPg		0856	13.66	0.79							1.0
HNLY	BN	208	86	ESg		0856	38.76	-0.40							1.0

December 21 2022 Hour: 11:33 33.0 Lat: 26.58N Lon: 96.52E D: 10.0F Ag: NCS Regional
Magnitudes: 3.8ML NCS Rms: 1.0 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HAUL	HZ	166	0	EP		1134	00.83	0.35							1.0
HAUL	HN	166	0	ES		1134	20.99	0.46							1.0
HAUL	HE	166	0	IAML		1134	22.26			1548	0.2				
HAUL	HN	166	0	IAML		1134	22.33			1401	0.3				
KOHI	SZ	259	249	EP		1134	12.02	0.15							1.0
KOHI	SN	259	249	ES		1134	42.00	1.76							1.0
ZIRO	SZ	285	292	EP		1134	14.66	-0.20							1.0
ZIRO	SE	285	292	ES		1134	44.87	-0.54							1.0
ZIRO	SE	285	292	IAML		1134	46.34			1284	0.5				
ZIRO	SN	285	292	IAML		1134	46.34			1377	0.3				
SHL	HZ	480	258	EP		1134	36.87	-1.98							1.0
SHL	HN	480	258	E		1135	20.66								
SHL	HE	480	258	IAML		1135	25.72			114	0.1				

December 21 2022 Hour: 19:15 1.7 Lat: 29.85N Lon: 80.62E D: 10.0F Ag: NCS Local
Magnitudes: 3.7ML NCS Rms: 1.0 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PTH	BZ	50	234	EPg		1915	09.66	-0.69							1.0
PTH	BE	50	234	ESg		1915	17.33	0.69							1.0
LGTI	BZ	72	226	EPg		1915	13.40	-0.85							1.0
LGTI	BE	72	226	ESg		1915	23.02	-0.37							1.0
JOSI	BZ	129	308	EP		1915	23.83	-0.24							1.0
JOSI	BN	129	308	ES		1915	38.89	-1.49							1.0
DDI	HZ	253	283	EP		1915	42.81	1.87							1.0
DDI	HE	253	283	ES		1916	10.37	0.80							1.0
DDI	HE	253	283	IAML		1916	17.91			1002	0.4				
DDI	HN	253	283	IAML		1916	18.13			1245	0.2				
SMLA	HZ	361	294	EP		1915	54.13	-0.20							1.0
SMLA	HN	361	294	E		1916	42.94								
SMLA	HE	361	294	IAML		1916	47.25			533	0.4				
SMLA	HN	361	294	IAML		1916	48.55			317	0.3				
DHRM	HZ	490	304	EP		1916	09.44	-0.69							1.0
DHRM	HE	490	304	ES		1917	01.24	1.18							1.0
DHRM	HN	490	304	IAML		1917	28.58			132	0.8				

DHRM HE 490 304 IAML 1917 28.77 140 0.4

December 21 2022 Hour: 19:33 12.6 Lat: 36.20N Lon: 70.08E D:150.0F Ag: NCS Regional

Magnitudes: 4.0ML NCS

Rms: 1.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	492	118	EP		1934	19.08	0.74							1.0
SRIN	BE	492	118	ES		1935	07.33	0.97							1.0
SRIN	BE	492	118	IAML		1935	08.54			977	0.1				
JMU	BZ	578	130	EP		1934	29.80	1.45							1.0
JMU	BN	578	130	ES		1935	26.21	2.54							1.0
JMU	BN	578	130	IAML		1935	29.00			108	0.4				
UDMP	HZ	589	127	EP		1934	30.66	0.95							1.0
UDMP	HN	589	127	ES		1935	28.20	2.17							1.0
THN	BZ	672	127	EP		1934	39.70	0.18							1.0
THN	BN	672	127	ES		1935	42.19	-0.81							1.0
DHRM	HZ	722	126	EP		1934	44.89	-0.79							1.0
DHRM	HN	722	126	ES		1935	53.78	0.14							1.0
DHRM	HN	722	126	IAML		1935	56.41			384	1.3				
DHRM	HE	722	126	IAML		1935	56.47			398	0.5				
SDNR	BZ	817	127	EP		1934	55.82	-1.04							1.0
SDNR	BN	817	127	ES		1936	11.58	-1.41							1.0
SDNR	BE	817	127	IAML		1936	14.05			47	0.3				
SDNR	BN	817	127	IAML		1936	14.29			57	0.3				
BHK	BZ	829	128	EP	*	1934	53.62	-4.65							0.0
BHK	BZ	829	128	E		1934	53.68								
BHK	BN	829	128	ES		1936	07.04	-3.74							1.0
BHK	BN	829	128	E		1936	08.58								
SMLA	HZ	865	129	EP		1935	01.74	-1.06							1.0
SMLA	HN	865	129	ES		1936	22.46	-0.81							1.0
SMLA	HE	865	129	IAML		1936	24.72			76	0.2				
SMLA	HN	865	129	IAML		1936	25.04			129	0.4				
JOSI	BZ	1081	123	EP		1935	25.65	-3.04							1.0
JOSI	BE	1081	123	E		1936	56.27								
JOSI	BE	1081	123	IAML		1937	08.61			44	0.6				
AJM	BZ	1167	157	EP		1935	38.67	-0.16							1.0
LGTI	BZ	1202	126	EP	*	1935	39.00	-4.27							0.0
LGTI	BE	1202	126	ES		1937	29.90	0.89							1.0

December 22 2022 Hour: 2:47 15.4 Lat: 34.93N Lon: 98.16E D: 10.0F Ag: NCS Regional

Magnitudes: 4.8Mb NCS

Rms: 1.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HAUL	HZ	775	192	EP		0248	54.50	-2.69							1.0
HAUL	HZ	775	192	I		0249	31.69								
LKP	SZ	871	195	EP		0249	07.01	-1.81							1.0
LKP	SZ	871	195	I		0249	47.66								
LKP	SE	871	195	E		0251	44.68								
MOKO	SZ	1016	201	EP		0249	28.12	1.40							1.0
MOKO	SZ	1016	201	I		0253	19.57								
SILR	SZ	1238	206	EP		0249	55.52	1.91							1.0
GTK	SN	1241	230	E		0249	58.96								
CMPI	HZ	1352	202	EP		0250	09.25	1.54							1.0
CMPI	HZ	1352	202	I		0254	43.57								
SAIH	SZ	1468	201	EP		0250	22.52	0.69							1.0
HNLY	BZ	1789	268	EP		0251	02.44	0.25							1.0
HNLY	BZ	1789	268	I		0257	30.74								
PTH	BZ	1790	256	EP		0251	00.86	-1.07							1.0
PTH	BZ	1790	256	I		0256	39.99								
LKN	BZ	1880	246	I		0256	25.14								
ALCI	BZ	1923	274	E		0251	22.51								
SDNR	BZ	2013	265	EP		0251	27.20	0.18							1.0
SDNR	BZ	2013	265	I Amb		0251	31.08			103	1.4				
SDNR	BZ	2013	265	I		0258	23.72								
BHK	BZ	2014	265	E		0251	32.81								
BHK	BZ	2014	265	I		0258	40.14								

THN	BZ	2087	269	E	0251	33.46				
NDI	HZ	2096	257	I	0258	13.79				
LDR	HZ	2100	256	I	0258	17.76				
NPL	BZ	2102	256	I	0259	10.76				
AYAN	BZ	2113	256	I	0259	16.88				
UJWA	BZ	2129	257	I	0258	05.17				
SONA	BZ	2130	255	EP	0251	40.87	1.92			1.0
UDMP	HZ	2137	271	I	0259	09.34				
JHNI	BZ	2150	246	EP	0251	38.81	-2.09			1.0
JHNI	BZ	2150	246	I	0258	56.47				
JBPL	HZ	2193	238	EP	0251	45.95	0.76			1.0
JBPL	HZ	2193	238	IAmb	0251	49.92		38	0.8	
JBPL	HZ	2193	238	I	0259	57.85				
RAIP	HZ	2217	231	EP	0251	46.23	-1.26			1.0
RAGD	BZ	2263	224	EP	0251	51.43	-0.60			1.0
CNWR	HZ	2355	238	EP	0252	00.43	-0.56			1.0
CNWR	HZ	2355	238	IAmb	0252	05.26		46	1.3	
CNWR	HZ	2355	238	I	0300	46.36				
NGP	BZ	2411	236	EP	0252	05.88	-0.58			1.0
AJM	BZ	2436	254	EP	0252	08.49	-0.37			1.0
AJM	BZ	2436	254	I	0300	14.73				
INDR	HZ	2561	243	EP	0252	21.58	0.78			1.0
INDR	HZ	2561	243	IAmb	0252	28.78		40	0.7	
INDR	HZ	2561	243	I	0301	47.00				
JODH	HZ	2584	255	EP	0252	20.89	-2.06			1.0
JODH	HZ	2584	255	I	0301	00.51				
AKL	BZ	2602	238	E	0252	29.09				
UDPR	BZ	2618	251	EP	0252	28.29	2.06			1.0
HING	HZ	2675	236	I	0301	40.94				
KNL	HZ	2922	228	EP	0252	52.71	1.65			1.0
KNL	HZ	2922	228	IAmb	0252	54.84		15	0.8	
ATP	HZ	3047	228	EP	0252	59.24	-1.98			1.0
ATP	HZ	3047	228	IAmb	0253	04.07		18	1.1	
ATP	HZ	3047	228	I	0304	04.45				
MYSR	HZ	3310	226	EP	0253	24.24	1.92			1.0

December 22 2022 Hour: 8:36 15.5 Lat: 19.38N Lon: 77.30E D: 10.0 Ag: NCS Local
Magnitudes: 2.9ML NCS Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
HING	HZ	38	325	EPg	*	0836	15.74	-6.51							0.0
HING	HN	38	325	ESg		0836	19.26	-1.40							1.0
HING	HZ	38	325	I		0836	20.77								
LATR	BN	135	217	EP	*	0836	34.52	-4.04							0.0
LATR	BE	135	217	ES		0836	51.16	-0.18							1.0
LATR	BN	135	217	I		0836	58.14								
AKL	BZ	150	349	EP	*	0836	33.67	-7.09							0.0
AKL	BE	150	349	ES		0836	49.19	-2.91							1.0
AKL	BZ	150	349	E		0836	52.79								
AKL	BZ	150	349	I		0836	59.42								
SLPR	HZ	238	218	EP		0836	50.60	-1.15							1.0
SLPR	HZ	238	218	I		0836	55.80								
SLPR	HE	238	218	ES		0837	18.03	-0.16							1.0
SLPR	HE	238	218	IAML		0837	27.30			139	0.1				
SLPR	HN	238	218	IAML		0837	27.66			87	0.3				
SLPR	HZ	238	218	E		0837	35.58								
CNWR	HZ	341	30	EP		0837	04.48	0.13							1.0
CNWR	HZ	341	30	I		0837	05.42								
CNWR	HN	341	30	ES		0837	39.54	-0.46							1.0
POO	HZ	375	256	EP		0837	08.86	0.37							1.0
POO	HN	375	256	ES		0837	47.03	-0.13							1.0
POO	HN	375	256	I		0837	55.09								
INDR	HZ	378	338	EP		0837	09.72	0.97							1.0
INDR	HE	378	338	ES		0837	48.36	0.75							1.0
KAD	BZ	401	236	E		0837	16.32								

ALCI	BZ	587	114	EP	1711	34.35	-0.90									1.0
ALCI	BN	587	114	ES	1712	32.35	0.74									1.0
THN	BZ	608	136	EP	1711	37.17	-0.22									1.0
THN	BN	608	136	ES	1712	34.31	-1.00									1.0
DHRM	HZ	656	135	EP	1711	43.09	-0.12									1.0
DHRM	HN	656	135	ES	1712	44.81	-0.58									1.0
DHRM	HE	656	135	IAML	1712	48.00			134	0.2						
DHRM	HN	656	135	IAML	1712	48.60			174	0.3						
SMLA	HZ	803	136	IP	1711	59.98	-0.82									1.0
SMLA	HN	803	136	ES	1713	14.80	-1.02									1.0
SMLA	HN	803	136	IAML	1713	18.78			52	0.1						
SMLA	HE	803	136	IAML	1713	19.27			43	0.3						

December 22 2022 Hour: 18:27 16.2 Lat: 36.40N Lon: 71.39E D: 50.0F Ag: NCS Regional

Magnitudes: 3.5ML NCS 3.9MW NCS

Rms: 1.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JMU	BZ	511	141	EP		1828	23.36	0.64							1.0
JMU	BE	511	141	ES		1829	13.47	2.15							1.0
JMU	BE	511	141	IAML		1829	35.90			114	0.5				
JMU	BT	511	141	IAML		1829	47.12			137	1.2				
UDMP	HZ	516	137	EP		1828	24.06	0.59							1.0
UDMP	HN	516	137	ES		1829	12.76	0.15							1.0
THN	BZ	598	136	EP		1828	33.02	-0.37							1.0
THN	BN	598	136	ES		1829	27.41	-2.36							1.0
DHRM	HZ	645	134	EP		1828	39.05	-0.32							1.0
DHRM	HE	645	134	ES		1829	38.87	-1.25							1.0
DHRM	HE	645	134	IAML		1829	41.41			52	0.1				
SDNR	BZ	742	135	EP		1828	50.85	-0.22							1.0
SDNR	BN	742	135	ES		1829	59.13	-1.23							1.0
SMLA	HZ	792	136	EP		1828	56.68	-0.64							1.0
SMLA	HN	792	136	ES		1830	11.78	0.60							1.0
JOSI	BZ	997	128	EP		1829	22.60	0.27							1.0
JOSI	BN	997	128	ES		1830	56.44	2.00							1.0

December 23 2022 Hour: 1:31 9.3 Lat: 28.64N Lon: 82.28E D: 10.0F Ag: NCS Regional

Magnitudes: 3.7ML NCS

Rms: 1.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BRCH	BN	136	209	ES		0131	51.53	2.20							1.0
PTH	BZ	228	298	EP		0131	44.06	-0.26							1.0
PTH	BN	228	298	E		0132	16.42								
LGTI	BZ	229	292	E		0131	45.34								
LGTI	BE	229	292	E		0132	15.26								
LKN	BZ	249	214	E		0131	25.02								
LKN	BE	249	214	ES		0132	11.16	-2.90							1.0
BNDA	BN	399	209	E		0132	09.03								
AYAN	BZ	504	269	E		0133	01.82								
JHNI	BZ	506	227	EP		0132	16.95	-1.24							1.0
SMLA	HZ	566	300	EP		0132	26.22	0.55							1.0
GTK	SN	639	102	E		0132	36.66								
GTK	SE	639	102	E		0133	05.67								
BOKR	HZ	646	145	E		0132	43.75								
BOKR	HE	646	145	ES		0133	36.82	-1.21							1.0
BOKR	HN	646	145	E		0133	37.41								
JBPL	HZ	646	202	EP		0132	37.82	2.52							1.0
DHRM	HZ	699	306	EP		0132	41.68	-0.29							1.0
DHRM	HE	699	306	IAML		0134	25.13			95	0.5				
BHPL	HZ	770	220	E		0132	42.41								
BHPL	HN	770	220	E		0134	28.29								
BHPL	HE	770	220	IAML		0134	30.24			69	0.3				
CNWR	HZ	803	205	E		0132	44.03								
TURA	SZ	860	112	EP		0133	02.17	0.75							1.0
JODH	HZ	950	256	EP		0133	12.20	-0.10							1.0
SHL	HZ	1008	107	EP		0133	19.63	-0.02							1.0
AKL	BZ	1027	212	E		0133	37.16								

MOKO	SZ	1236	99	E		0133	53.43							
LATR	BZ	1275	209	E		0134	06.04							
BRCH	BZ	136	209	E		0131	25.75							
BRCH	BE				IAML	0131	52.83		1065	0.2				
BRCH	BN				IAML	0131	54.07		1148	0.5				
BRCH	BN				IAML	0131	55.91		894	0.1				
BRCH	BE				IAML	0131	55.74		1191	0.5				

December 23 2022 Hour: 1:31 25.9 Lat: 28.65N Lon: 83.40E D: 10.0F Ag: NCS Regional

Magnitudes: 4.4ML NCS

Rms: 1.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BRCH	BZ	214	236	E		0131	25.75								
BRCH	BN	214	236	EP	*	0131	51.76-7.30								0.0
BRCH	BN	214	236	ES		0132	15.72-0.24								1.0
BRCH	BN	214	236	IAML		0132	16.71			5076	0.5				
BRCH	BE	214	236	IAML		0132	16.86			5768	0.4				
BRCH	BN	214	236	IAML		0132	18.64			5332	0.5				
BRCH	BE	214	236	IAML		0132	20.36			3980	0.2				
PTH	BN	328	289	ES		0132	48.40	0.58							1.0
LGTI	BE	334	285	ES		0132	50.84	1.90							1.0
BNDA	BN	464	222	E		0132	09.03								
GTK	SN	532	105	EP		0132	36.66-1.42								1.0
GTK	SN	532	105	E		0133	54.47								
BOKR	HN	592	155	E		0133	37.41								
JHNI	BN	592	234	E		0133	57.50								
AYAN	BZ	614	270	E		0133	01.82								
AYAN	BN	614	270	ES		0133	47.75-0.20								1.0
SMLA	HZ	662	296	E		0133	14.61								
SMLA	HE	662	296	ES		0133	55.87-2.59								1.0
JBPL	HZ	696	211	E		0133	17.82								
JBPL	HE	696	211	E		0134	22.08								
TURA	SZ	760	116	EP		0133	02.17-3.63								1.0
TURA	SN	760	116	E		0134	18.98								
DHRM	HZ	790	302	EP		0133	11.30	1.66							1.0
RAIP	HZ	842	192	EP		0133	17.27	1.47							1.0
RAIP	HE	842	192	E		0134	25.93								
BHPL	HZ	847	226	E		0132	42.41								
BHPL	HN	847	226	E		0134	28.29								
BHPL	HN	847	226	E		0135	09.29								
CNWR	HZ	858	213	EP		0133	16.72-1.03								1.0
AJM	BN	901	256	E		0134	38.88								
SHL	HN	905	110	ES		0134	51.40	1.87							1.0
NGP	BZ	937	209	E		0133	57.60								
NGP	BE	937	209	E		0135	34.92								
AKL	BZ	1091	218	E		0133	37.16								
MOKO	SZ	1127	101	E		0133	53.43								
MOKO	SN	1127	101	ES		0135	37.94	1.39							1.0

December 23 2022 Hour: 1:51 17.1 Lat: 30.39N Lon: 76.32E D: 10.0 Ag: NCS Local

Magnitudes: 3.2ML NCS

Rms: 0.7 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SMLA	HZ	115	45	EPg		0151	38.47	1.36							1.0
SMLA	HN	115	45	ESg		0151	51.42-0.29								1.0
BHK	BZ	126	28	E		0151	49.40								
BHK	BN	126	28	E		0152	13.01								
SDNR	BZ	138	24	EPg		0151	40.53-0.51								1.0
SDNR	BN	138	24	ESg		0151	58.14-0.36								1.0
DHRM	HZ	205	360	IPg		0151	53.05	0.33							1.0
DHRM	HN	205	360	ESg		0152	18.18-0.53								1.0
DHRM	HE	205	360	IAML		0152	20.51			289	0.6				
DHRM	HN	205	360	IAML		0152	20.94			181	0.6				
THN	BZ	232	348	EPg	*	0152	02.73	5.42							0.0
THN	BN	232	348	ESg		0152	33.51	1.43							1.0

December 24 2022 Hour: 8:35 49.8 Lat: 28.11N Lon: 138.54E D:606.8 Ag: NCS Distant

Magnitudes: 5.7MW NCS

Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHL	HZ	4621	278	IpP		0844	30.06	-0.04							1.0
DGPR	HZ	4997	260	I		0843	12.46								
BOKR	HZ	5256	277	EP		0843	30.20	0.47							1.0
BOKR	HZ	5256	277	I		0844	04.99								
ALBI	BZ	5603	281	EP		0843	52.18	-0.51							1.0
ALBI	BZ	5603	281	I		0850	22.70								
PTH	BZ	5634	287	EP		0843	55.57	0.69							1.0
LGTI	BZ	5650	286	EP		0843	56.50	0.56							1.0
RAGD	BZ	5658	273	EP		0843	56.50	0.15							1.0
JOSI	BZ	5670	288	IP		0843	57.38	0.11							1.0
JOSI	BZ	5670	288	I		0850	33.24								
HNLY	BZ	5672	291	EP		0843	58.58	0.82							1.0
HNLY	BZ	5672	291	I		0850	34.29								
VISK	HZ	5732	271	I		0844	02.09								
ALCI	BZ	5804	293	EP		0844	06.47	0.40							1.0
SMLA	HZ	5878	289	I		0844	09.43								
SDNR	BZ	5892	290	EP		0844	09.96	-1.42							0.9
BHK	BZ	5893	290	EP		0844	14.37	3.06							0.7
JHNI	BZ	5906	282	IP		0844	10.95	-1.30							0.9
NPL	BZ	5946	286	EP		0844	14.76	0.03							1.0
AYAN	BZ	5955	286	EP		0844	14.52	-0.76							1.0
THN	BZ	5971	291	EP		0844	16.46	0.15							1.0
NGP	BZ	6014	277	EP		0844	19.24	0.06							1.0
KUDL	HZ	6025	286	EP		0844	18.93	-0.82							1.0
GUNA	BZ	6056	281	EP		0844	21.23	-0.56							1.0
BHPL	HZ	6097	280	EP		0843	03.93	-80.4							0.0
BHPL	HZ	6097	280	I		0844	23.41								
AJM	BZ	6256	284	EP		0844	34.05	-0.12							1.0
AJM	BZ	6256	284	I		0850	47.99								
LATR	BZ	6371	275	EP		0844	41.52	0.16							1.0
LATR	BZ	6371	275	I		0845	13.08								
UDPR	BZ	6407	283	EP		0844	43.07	-0.39							1.0
KAD	BZ	6647	274	EP		0844	57.61	-0.39							1.0
KOD	BZ	6650	266	EP		0844	59.47	0.92							1.0

December 25 2022 Hour: 1:33 34.1 Lat: 39.57N Lon: 74.97E D: 10.0F Ag: NCS Regional

Magnitudes: 3.9ML NCS 3.5MW NCS

Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
UDMP	HZ	738	179	EP		0135	11.43	0.12							1.0
UDMP	HN	738	179	ES		0136	22.72	0.42							1.0
JMU	BZ	753	181	EP		0135	12.78	-0.37							1.0
JMU	BN	753	181	ES		0136	25.22	-0.27							1.0
JMU	BE	753	181	IAML		0136	29.09			282	1.0				
JMU	BN	753	181	IAML		0136	30.55			115	0.3				
THN	BZ	794	174	EP		0135	17.60	-0.56							1.0
THN	BN	794	174	ES		0136	34.17	0.01							1.0
DHRM	HZ	821	171	EP		0135	22.00	0.55							1.0
DHRM	HN	821	171	ES		0136	39.67	-0.18							1.0
DHRM	HN	821	171	IAML		0136	50.35			153	0.4				
DHRM	HE	821	171	IAML		0136	50.57			84	0.4				
SDNR	BZ	908	168	EP		0135	32.01	-0.01							1.0
SDNR	BE	908	168	ES		0136	58.17	0.04							1.0
SDNR	BE	908	168	IAML		0137	07.17			28	1.2				
SDNR	BN	908	168	IAML		0137	11.45			30	0.6				
BHK	BZ	924	168	EP		0135	34.08	0.06							1.0
BHK	BN	924	168	ES		0137	01.90	0.31							1.0
BHK	BN	924	168	IAML		0137	05.62			101	0.9				
BHK	BE	924	168	IAML		0137	07.10			74	0.9				
SMLA	HZ	957	167	EP		0135	37.90	-0.12							1.0
SMLA	HN	957	167	ES		0137	08.56	0.05							1.0

SMLA	HN	957	167	IAML	0137	19.97			56	0.5		
SMLA	HE	957	167	IAML	0137	21.04			56	0.6		
JOSI	BZ	1083	156	EP	0135	53.75	0.35					1.0
JOSI	BE	1083	156	ES	0137	34.72	-0.40					1.0
JOSI	BE	1083	156	IAML	0137	42.84			36	0.9		
JOSI	BN	1083	156	IAML	0137	43.69			29	0.7		

December 25 2022 Hour: 11:26 17.8

Ag: Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SMLA	HZ			EP		1136	43.31								
CMPI	HZ			EP		1136	02.82								
INDR	HZ			EP		1137	29.87								
JBPL	HZ			EP		1137	07.60								
SHL	HZ			EP		1135	58.77								
SUPA	HZ			EP		1138	10.36								
ALCI	BZ			EP		1136	35.58								
SAIH	SZ			EP		1136	06.89								
TURA	SZ			EP		1136	02.79								
GUNA	BZ			EP		1137	10.42								
BRCH	BZ			EP		1141	14.30								
AJM	BZ			EP		1137	16.57								
KNKR	BZ			EP		1137	14.24								
KUDL	HZ			EP		1136	59.92								
NGP	BZ			EP		1137	20.38								
NRLA	BZ			EP		1138	15.59								

December 26 2022 Hour: 1:12 37.0 Lat: 2.78N Lon: 89.59E D: 10.0F

Ag: NCS Regional

Magnitudes: 3.9ML NCS 3.5MW NCS

Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CMBY	HZ	685	44	EP		0114	08.25	0.51							1.0
CMBY	HE	685	44	ES		0115	13.87	-0.13							1.0
CMBY	HN	685	44	ES		0115	13.87	-0.13							1.0
CMBY	HN	685	44	IAML		0115	17.01			115	0.3				
CMBY	HE	685	44	IAML		0115	19.51			122	1.0				
PBA	HZ	1042	19	EP		0114	50.51	-0.78							1.0
PBA	HE	1042	19	ES		0116	29.02	-0.32							1.0
PBA	HN	1042	19	ES		0116	29.74	0.40							1.0
PBA	HE	1042	19	IAML		0116	30.55			33	0.1				
DGPR	HZ	1207	18	EP		0115	11.82	0.27							1.0
DGPR	HE	1207	18	ES		0117	04.40	-0.00							1.0
DGPR	HN	1207	18	ES		0117	04.60	0.20							1.0
DGPR	HE	1207	18	IAML		0117	47.43			124	0.1				

December 26 2022 Hour: 2:57 6.1 Lat: 36.45N Lon: 70.79E D: 90.0F

Ag: NCS Regional

Magnitudes: 4.4ML NCS 4.4MW NCS

Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	451	125	EP		0258	06.01	0.19							1.0
SRIN	BE	451	125	ES		0258	49.03	-0.40							1.0
SRIN	BN	451	125	IAML		0258	56.16			2378	0.3				
SRIN	BE	451	125	IAML		0258	57.73			1767	0.2				
JMU	BZ	550	137	EP		0258	17.83	0.05							1.0
JMU	BN	550	137	ES		0259	09.85	-0.28							1.0
JMU	BN	550	137	IAML		0259	16.68			3193	0.5				
JMU	BE	550	137	IAML		0259	17.16			1413	0.3				
UDMP	HZ	558	133	EP		0258	18.40	-0.27							1.0
UDMP	HN	558	133	ES		0259	13.91	2.24							0.8
THN	BZ	640	133	EP		0258	27.88	-0.81							1.0
THN	BN	640	133	ES		0259	32.36	3.36							0.6
DHRM	HZ	689	131	EP		0258	34.65	0.02							1.0
DHRM	HN	689	131	ES		0259	39.10	-0.19							1.0
DHRM	HN	689	131	IAML		0259	43.83			2901	0.1				
DHRM	HE	689	131	IAML		0259	45.92			2667	0.6				
SDNR	BZ	784	132	EP		0258	46.24	-0.04							1.0
SDNR	BN	784	132	ES		0259	59.28	-0.15							1.0

SDNR	BE	784	132	IAML	0300	04.03	432	0.6	
SDNR	BN	784	132	IAML	0300	04.30	445	0.3	
BHK	BZ	798	133	EP	0258	47.89-0.02			1.0
BHK	BN	798	133	IAML	0259	57.87	614	0.3	
BHK	BE	798	133	IAML	0259	58.93	985	1.1	
SMLA	HZ	835	133	EP	0258	52.24-0.05			1.0
SMLA	HN	835	133	ES	0300	09.66-0.17			1.0
SMLA	HN	835	133	IAML	0300	14.00	491	0.5	
SMLA	HE	835	133	IAML	0300	15.53	534	1.3	
HNLY	BZ	853	116	EP	0258	54.62 0.03			1.0
HNLY	BE	853	116	ES	0300	13.61-0.19			1.0
HNLY	BN	853	116	IAML	0300	18.77	28	0.7	
HNLY	BE	853	116	IAML	0300	20.14	35	0.6	
DDI	HZ	957	133	EP	0259	07.15 0.06			1.0
DDI	HN	957	133	ES	0300	35.23-0.20			1.0
DDI	HN	957	133	IAML	0300	42.72	705	0.4	
DDI	HE	957	133	IAML	0300	45.16	710	0.5	
NDI	HZ	1050	143	EP	0259	18.28-0.03			1.0
NDI	HN	1050	143	ES	0300	54.67-0.17			1.0
NDI	HN	1050	143	IAML	0300	58.39	152	0.5	
NDI	HE	1050	143	IAML	0301	00.07	235	0.5	
NPL	BZ	1052	144	EP	0259	18.52 0.01			1.0
NPL	BE	1052	144	ES	0300	55.07-0.11			1.0
NPL	BE	1052	144	IAML	0300	58.23	139	0.4	
NPL	BN	1052	144	IAML	0300	58.54	301	0.5	
LDR	HZ	1060	144	EP	0259	19.55 0.06			1.0
LDR	HN	1060	144	ES	0300	56.75-0.13			1.0
LDR	HE	1060	144	IAML	0301	01.01	444	0.5	
LDR	HN	1060	144	IAML	0301	03.99	848	1.4	
AYAN	BZ	1065	144	EP	0259	20.04-0.04			1.0
AYAN	BN	1065	144	ES	0300	57.79-0.12			1.0
AYAN	BN	1065	144	IAML	0301	00.14	127	0.7	
AYAN	BE	1065	144	IAML	0301	01.44	142	0.2	
SONA	BZ	1084	145	EP	0259	22.28 0.02			1.0
SONA	BN	1084	145	ES	0301	01.55-0.12			1.0
JODH	HZ	1150	169	EP	0259	30.24-0.04			1.0
JODH	HN	1150	169	ES	0301	15.51-0.05			1.0
JODH	HN	1150	169	IAML	0301	19.12	128	0.2	
JODH	HE	1150	169	IAML	0301	21.17	128	0.3	
PTH	BZ	1162	128	EP	0259	31.66-0.03			1.0
PTH	BN	1162	128	ES	0301	17.69-0.29			1.0
PTH	BE	1162	128	IAML	0301	22.91	80	0.2	
PTH	BN	1162	128	IAML	0301	23.38	81	0.3	
LGTI	BZ	1168	129	EP	0259	32.67 0.13			1.0
LGTI	BN	1168	129	ES	0301	19.35-0.11			1.0
LGTI	BE	1168	129	IAML	0301	21.82	35	0.4	
LGTI	BN	1168	129	IAML	0301	22.19	30	0.3	
AJM	BZ	1169	161	EP	0259	33.85 1.21			1.0
AJM	BE	1169	161	ES	0301	19.52-0.12			1.0
AJM	BN	1169	161	IAML	0301	26.57	44	0.5	
AJM	BE	1169	161	IAML	0301	28.09	43	0.2	
UDPR	BZ	1345	167	EP	0259	53.32-0.46			1.0
UDPR	BE	1345	167	IAML	0302	00.63	19	0.4	
UDPR	BN	1345	167	IAML	0302	01.90	57	1.1	
UDPR	BN	1345	167	ES	0302	08.72 12.5			0.0
BHPL	HZ	1596	155	EP	0300	25.07 0.10			1.0
BHPL	HN	1596	155	ES	0303	03.49-0.10			1.0
BHPL	HN	1596	155	IAML	0303	07.28	35	1.0	
BHPL	HE	1596	155	IAML	0303	07.83	50	1.7	
JBPL	HZ	1712	147	EP	0300	38.24 0.04			1.0
JBPL	HN	1712	147	ES	0303	28.54-0.14			1.0

December 26 2022 Hour: 5:28 49.9 Lat: 32.32N Lon: 76.90E D: 8.5 Ag: NCS Local
 Magnitudes: 2.5ML NCS 2.7MW NCS Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DHRM	HZ	57	262	EP		0528	59.84	-0.11							1.0
DHRM	HE	57	262	ES		0529	07.64	0.35							1.0
DHRM	HN	57	262	IAML		0529	12.67			166	0.2				
DHRM	HE	57	262	IAML		0529	13.01			639	0.1				
SDNR	BZ	87	180	EP		0529	05.51	0.42							1.0
SDNR	BN	87	180	IAML		0529	21.69			31	1.1				
SDNR	BE	87	180	IAML		0529	22.22			29	0.9				
BHK	BZ	103	178	EP		0529	07.94	0.07							1.0
BHK	BE	103	178	ES		0529	20.60	-0.39							1.0
BHK	BN	103	178	IAML		0529	35.63			66					
BHK	BE	103	178	IAML		0529	35.68			102	0.1				
THN	BZ	104	277	EP		0529	07.82	-0.26							1.0
THN	BN	104	277	ES		0529	21.21	-0.14							1.0
SMLA	HZ	135	169	EP		0529	13.09	0.05							1.0
SMLA	HN	135	169	IAML		0529	37.85			221	0.3				
SMLA	HE	135	169	IAML		0529	38.12			320	0.6				

December 26 2022 Hour: 10:39 31.7 Lat: 33.47N Lon: 81.79E D:165.0F Ag: NCS Regional
 Magnitudes: 3.4ML NCS 3.7MW NCS Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JOSI	BZ	386	214	EP		1040	25.45	0.01							1.0
JOSI	BE	386	214	ES		1041	04.58	-0.09							1.0
JOSI	BN	386	214	IAML		1041	13.72			89	0.9				
JOSI	BE	386	214	IAML		1041	16.34			124	0.5				
ALCI	BZ	434	282	EP		1040	30.77	-0.21							1.0
ALCI	BN	434	282	ES		1041	13.64	-0.61							1.0
ALCI	BE	434	282	IAML		1041	25.65			81	0.4				
ALCI	BN	434	282	IAML		1041	26.41			46	1.2				
PTH	BZ	456	200	EP		1040	33.38	-0.16							1.0
PTH	BN	456	200	IAML		1041	24.51			12	0.8				
PTH	BE	456	200	IAML		1041	25.42			37	0.3				
SDNR	BZ	506	246	EP		1040	39.66	0.30							1.0
SDNR	BN	506	246	ES		1041	29.32	0.57							1.0
SDNR	BN	506	246	IAML		1041	34.48			47	0.6				
SDNR	BE	506	246	IAML		1041	35.22			42	1.0				
SMLA	HZ	506	240	EP		1040	39.66	0.32							1.0
SMLA	HE	506	240	ES		1041	28.81	0.10							1.0
SMLA	HE	506	240	IAML		1041	30.53			98	0.5				
SMLA	HN	506	240	IAML		1041	31.38			93	0.6				
BHK	BZ	511	244	EP		1040	39.66	-0.27							1.0
BHK	BN	511	244	ES		1041	29.32	-0.42							1.0
BHK	BE	511	244	IAML		1041	36.83			242	0.3				
BHK	BN	511	244	IAML		1041	36.92			270	0.6				
DHRM	HZ	531	257	EP		1040	41.75	-0.51							1.0
DHRM	HE	531	257	ES		1041	32.99	-0.78							1.0
DHRM	HN	531	257	IAML		1041	33.64			114	0.5				
DHRM	HE	531	257	IAML		1041	34.23			97	1.3				
THN	BZ	571	260	EP		1040	46.54	-0.43							1.0
THN	BN	571	260	ES		1041	41.74	-0.17							1.0
UDMP	HZ	624	266	EP		1040	54.14	0.90							1.0
UDMP	HN	624	266	ES		1041	53.52	0.76							1.0
JMU	BZ	654	265	EP		1040	57.13	0.37							1.0
JMU	BN	654	265	ES		1041	59.19	0.33							1.0
JMU	BE	654	265	IAML		1042	16.75			100	1.6				

December 27 2022 Hour: 2:17 20.7 Lat: 31.27N Lon: 71.57E D: 8.0 Ag: NCS Regional
Magnitudes: 3.4ML NCS 3.4MW NCS Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JMU	BZ	351	61	EP		0218	10.78	-0.13							1.0
JMU	BN	351	61	ES		0218	47.70	0.15							1.0
JMU	BE	351	61	IAML		0219	00.92			145	0.6				
JMU	BN	351	61	IAML		0219	01.12			116	1.4				
BKNR	BZ	378	154	EP		0218	14.24	0.02							1.0
BKNR	BE	378	154	ES		0218	53.10	-0.19							1.0
BKNR	BN	378	154	IAML		0219	03.48			495	1.1				
BKNR	BE	378	154	IAML		0219	03.48			601	1.1				
UDMP	HZ	382	61	EP		0218	14.60	-0.05							1.0
UDMP	HE	382	61	ES		0218	54.05	0.01							1.0
THN	BZ	421	71	EP		0218	19.72	0.22							1.0
THN	BN	421	71	ES		0219	02.56	0.14							1.0
DHRM	HZ	461	75	EP		0218	23.08	-1.37							1.0
DHRM	HN	461	75	ES		0219	10.26	-0.73							1.0
DHRM	HE	461	75	IAML		0219	16.23			92	0.6				
DHRM	HN	461	75	IAML		0219	20.51			97	0.4				
SDNR	BZ	508	85	EP		0218	30.53	0.37							1.0
SDNR	BN	508	85	ES		0219	21.26	0.40							1.0
SDNR	BN	508	85	IAML		0219	51.63			44	0.1				
SDNR	BE	508	85	IAML		0219	52.00			50	1.8				
BHK	BZ	511	87	EP		0218	30.84	0.36							1.0
BHK	BE	511	87	ES		0219	21.80	0.38							1.0
BHK	BE	511	87	IAML		0219	25.17			104	0.5				
BHK	BN	511	87	IAML		0219	30.95			55	1.2				
SMLA	HZ	534	90	EP		0218	33.56	0.32							1.0
SMLA	HE	534	90	ES		0219	26.46	0.27							1.0
SMLA	HN	534	90	IAML		0219	28.30			53	0.8				
SMLA	HE	534	90	IAML		0219	30.08			59	0.4				
JODH	HZ	574	165	EP		0218	37.97	-0.14							1.0
JODH	HN	574	165	ES		0219	34.44	-0.17							1.0
JODH	HN	574	165	IAML		0219	44.68			97	0.3				
JODH	HE	574	165	IAML		0219	46.66			120	0.3				
AJM	BZ	614	150	EP		0218	43.03	-0.02							1.0
AJM	BN	614	150	ES		0219	42.80	-0.37							1.0
AJM	BN	614	150	IAML		0220	04.48			61	1.4				
AJM	BE	614	150	IAML		0220	05.32			44	0.9				
AYAN	BZ	619	119	EP		0218	43.60	-0.06							1.0
AYAN	BN	619	119	ES		0219	43.84	-0.38							1.0
AYAN	BN	619	119	IAML		0220	20.64			49	0.4				
AYAN	BE	619	119	IAML		0220	23.54			41	0.3				
UDPR	BZ	770	164	EP		0219	02.63	0.50							1.0
UDPR	BN	770	164	ES		0220	16.66	0.49							1.0
UDPR	BN	770	164	IAML		0220	53.56			24	0.6				
UDPR	BE	770	164	IAML		0220	57.78			61	1.0				

December 27 2022 Hour: 19:38 20.2 Lat: 28.76N Lon: 83.40E D: 8.7 Ag: NCS Regional
Magnitudes: 3.3ML NCS 3.2MW NCS Rms: 0.7 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
STMR	BZ	289	140	EP		1939	02.17	-0.56							1.0
STMR	BN	289	140	ES		1939	33.49	-0.32							1.0
STMR	BN	289	140	IAML		1939	37.10			1469	0.4				
STMR	BE	289	140	IAML		1939	38.38			1718	0.2				
PTH	BZ	324	287	EP		1939	05.28	-1.71							1.0
PTH	BN	324	287	ES		1939	39.16	-2.02							1.0
PTH	BE	324	287	IAML		1939	40.87			116	0.6				
PTH	BN	324	287	IAML		1939	46.62			118	0.8				
LGTI	BZ	330	283	EP		1939	07.46	-0.34							1.0
LGTI	BN	330	283	ES		1939	42.24	-0.34							1.0
LGTI	BE	330	283	IAML		1939	46.63			31	0.4				
LGTI	BN	330	283	IAML		1939	48.81			48	1.4				

FRKB	BZ	406	249	EP	1939	16.61-0.38											1.0
FRKB	BE	406	249	ES	1939	57.96-0.51											1.0
FRKB	BE	406	249	IAML	1939	59.35			395	0.6							
FRKB	BN	406	249	IAML	1940	00.33			406	0.2							
JOSI	BZ	422	299	EP	1939	19.10 0.17											1.0
JOSI	BN	422	299	ES	1940	02.67 0.83											1.0
JOSI	BN	422	299	IAML	1940	11.40			109	0.6							
JOSI	BE	422	299	IAML	1940	13.42			82	0.4							
JHNI	BZ	600	233	EP	1939	41.07 0.47											1.0
JHNI	BN	600	233	ES	1940	39.62 0.29											1.0
JHNI	BE	600	233	IAML	1940	55.83			89	0.6							
JHNI	BN	600	233	IAML	1940	56.06			121	0.5							
BOKR	HZ	604	155	EP	1939	41.75 0.57											1.0
BOKR	HE	604	155	ES	1940	40.67 0.35											1.0
BOKR	HN	604	155	IAML	1940	51.64			46	0.9							
BOKR	HE	604	155	IAML	1940	52.55			48	0.6							
AYAN	BZ	615	269	EP	1939	42.83 0.29											1.0
AYAN	BN	615	269	ES	1940	43.06 0.38											1.0
AYAN	BE	615	269	IAML	1941	02.20			22	0.2							
AYAN	BN	615	269	IAML	1941	02.79			29	1.2							
SONA	BZ	623	266	EP	1939	44.01 0.53											1.0
SONA	BN	623	266	ES	1940	44.69 0.38											1.0
SMLA	HZ	656	295	EP	1939	48.24 0.76											1.0
SMLA	HE	656	295	ES	1940	51.80 0.58											1.0
SMLA	HE	656	295	IAML	1940	53.01			40	0.6							
SMLA	HN	656	295	IAML	1940	54.09			8	1.0							
DHRM	HZ	783	301	EP	1940	03.60 0.54											1.0
DHRM	HN	783	301	ES	1941	18.43 0.24											1.0
DHRM	HE	783	301	IAML	1941	19.61			10	0.6							
DHRM	HN	783	301	IAML	1941	20.82			10	0.6							
BHPL	HN	855	226	IAML	1941	38.87			22	0.4							
RAIP	HE	855	192	ES	1941	33.21-0.11											1.0
BHPL	HZ	855	226	EP	1940	11.66-0.19											1.0
BHPL	HN	855	226	ES	1941	33.66 0.26											1.0
RAIP	HZ	855	192	EP	1940	11.66-0.15											1.0
BHPL	HE	855	226	IAML	1941	39.22			23	0.6							

December 27 2022 Hour: 20:22 11.8 Lat: 28.36N Lon: 83.24E D: 5.4 Ag: NCS Regional
Magnitudes: 3.8ML NCS 3.6MW NCS Rms: 0.7 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BRCH	BZ	183	242	EP		2022	41.88	0.02							1.0
BRCH	BN	183	242	ES		2023	04.14	0.31							1.0
BRCH	BE	183	242	IAML		2023	06.81			2376	0.5				
BRCH	BN	183	242	IAML		2023	07.06			3667	0.6				
STMR	BZ	269	131	EP		2022	52.14	-0.16							1.0
STMR	BN	269	131	ES		2023	21.83	-0.05							1.0
STMR	BN	269	131	IAML		2023	24.13			5642	0.3				
STMR	BE	269	131	IAML		2023	25.70			4754	0.4				
PTH	BZ	325	295	EP		2022	58.81	-0.30							1.0
PTH	BN	325	295	IAML		2023	42.18			437	0.6				
PTH	BE	325	295	IAML		2023	43.32			314	0.3				
LGTI	BZ	328	291	EP		2022	59.21	-0.29							1.0
LGTI	BN	328	291	ES		2023	34.61	0.26							1.0
LGTI	BN	328	291	IAML		2023	36.53			154	0.5				
LGTI	BE	328	291	IAML		2023	37.77			169	0.5				
FRKB	BZ	376	254	EP		2023	05.73	0.32							1.0
FRKB	BN	376	254	ES		2023	44.44	-0.13							1.0
FRKB	BN	376	254	IAML		2023	47.52			1205	0.8				
FRKB	BE	376	254	IAML		2023	48.15			1001	0.4				
JOSI	BZ	432	305	EP		2023	12.32	0.18							1.0
JOSI	BE	432	305	ES		2023	56.26	0.05							1.0
JOSI	BN	432	305	IAML		2024	05.92			518	0.9				
JOSI	BE	432	305	IAML		2024	08.95			491	0.4				
DDI	HZ	548	295	EP		2023	26.78	0.46							1.0

DDI	HN	548	295	ES	2024	20.91	0.17			1.0
DDI	HE	548	295	IAML	2024	24.08		156	0.5	
DDI	HN	548	295	IAML	2024	24.57		127	0.5	
JHNI	BZ	561	236	EP	2023	27.72	-0.16			1.0
JHNI	BN	561	236	ES	2024	23.37	-0.07			1.0
JHNI	BE	561	236	IAML	2024	44.66		238	1.3	
JHNI	BN	561	236	IAML	2024	51.04		325	0.7	
BOKR	HZ	571	152	EP	2023	29.55	0.29			1.0
BOKR	HE	571	152	ES	2024	25.93	0.10			1.0
BOKR	HN	571	152	IAML	2024	33.58		102	0.1	
BOKR	HE	571	152	IAML	2024	33.74		97	0.2	
JMIU	BZ	582	274	EP	2023	31.05	0.48			1.0
JMIU	BN	582	274	ES	2024	28.39	0.30			1.0
JMIU	BE	582	274	IAML	2024	31.12		410	0.6	
JMIU	BN	582	274	IAML	2024	37.09		338	1.0	
NDI	HZ	591	275	EP	2023	32.60	0.97			1.0
NDI	HN	591	275	ES	2024	29.64	-0.29			1.0
NDI	HE	591	275	IAML	2024	54.52		102	0.5	
NDI	HN	591	275	IAML	2024	54.95		72	0.5	
NPL	BZ	595	274	EP	2023	32.01	-0.01			1.0
NPL	BE	595	274	ES	2024	31.39	0.77			1.0
NPL	BN	595	274	IAML	2024	35.96		117	0.2	
NPL	BE	595	274	IAML	2024	36.19		151	0.2	
AYAN	BZ	599	273	EP	2023	32.60	-0.02			1.0
AYAN	BN	599	273	ES	2024	31.97	0.33			1.0
AYAN	BN	599	273	IAML	2024	58.10		150	1.1	
AYAN	BE	599	273	IAML	2025	02.69		86	1.0	
SONA	BZ	606	270	EP	2023	32.73	-0.61			1.0
SONA	BN	606	270	ES	2024	31.41	-1.49			1.0
UJWA	BZ	619	274	EP	2023	33.88	-1.20			1.0
UJWA	BE	619	274	ES	2024	35.44	-0.46			1.0
UJWA	BN	619	274	IAML	2025	07.98		293	0.9	
UJWA	BE	619	274	IAML	2025	10.40		381	2.2	
SMLA	HN	661	299	ES	2024	45.30	0.57			1.0
SMLA	HE	661	299	IAML	2024	51.05		72	0.8	
JBPL	HN	661	211	ES	2024	43.49	-1.04			1.0
SMLA	HZ	661	299	EP	2023	40.46	0.28			1.0
JBPL	HZ	661	211	EP	2023	39.06	-1.01			1.0
SMLA	HN	661	299	IAML	2024	51.20		38	0.8	
SDNR	BZ	705	301	EP	2023	45.97	0.45			1.0
SDNR	BE	705	301	ES	2024	53.86	-0.11			1.0
SDNR	BN	705	301	IAML	2024	55.55		30	0.3	
SDNR	BE	705	301	IAML	2024	55.87		25	0.8	
DHRM	HZ	793	305	EP	2023	56.36	0.01			1.0
DHRM	HN	793	305	ES	2025	13.43	0.73			1.0
DHRM	HN	793	305	IAML	2025	16.56		24	0.9	
DHRM	HE	793	305	IAML	2025	17.71		47	0.6	
BHPL	HZ	813	227	EP	2023	59.42	0.71			1.0
BHPL	HN	813	227	ES	2025	17.10	0.32			1.0
BHPL	HN	813	227	IAML	2025	24.96		85	0.5	
BHPL	HE	813	227	IAML	2025	25.27		76	0.4	
THN	BZ	845	304	EP	2024	02.76	0.14			1.0
THN	BN	845	304	ES	2025	23.34	-0.21			1.0
AJM	BZ	878	258	EP	2024	06.05	-0.59			1.0
AJM	BN	878	258	ES	2025	29.94	-0.55			1.0
AJM	BN	878	258	IAML	2025	37.19		59	0.5	
AJM	BE	878	258	IAML	2025	37.57		38	0.6	
UDMP	HZ	926	305	EP	2024	11.73	-0.82			1.0
UDMP	HN	926	305	ES	2025	39.71	-1.02			1.0
BWNR	BZ	936	163	EP	2024	13.83	0.09			1.0
BWNR	BN	936	163	ES	2025	42.93	0.15			1.0
BWNR	BN	936	163	IAML	2025	45.84		119	0.4	
BWNR	BE	936	163	IAML	2025	47.81		93	0.9	
JODH	HZ	1035	259	EP	2024	24.91	-0.88			1.0

JODH	HN	1035	259	ES	2026	02.94-0.69											1.0
JODH	HE	1035	259	IAML	2026	14.95			56	0.2							
JODH	HN	1035	259	IAML	2026	15.43			73	0.5							
UDPR	BZ	1037	248	EP	2024	27.77	1.64										1.0
UDPR	BN	1037	248	ES	2026	06.27	2.05										1.0
UDPR	BE	1037	248	IAML	2027	00.76			60	2.0							
UDPR	BN	1037	248	IAML	2027	03.58			70	2.8							

December 27 2022 Hour: 20:49 18.2 Lat: 30.86N Lon: 78.19E D: 6.1 Ag: NCS Local
 Magnitudes: 2.6ML NCS 2.8MW NCS Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DDI	HZ	61	193	EP		2049	28.70-0.12								1.0
DDI	HE	61	193	ES		2049	36.54-0.02								1.0
DDI	HE	61	193	IAML		2049	37.51		461	0.2					
DDI	HN	61	193	IAML		2049	39.90		319	0.4					
SMLA	HZ	102	287	EP		2049	35.98	0.12							1.0
SMLA	HE	102	287	ES		2049	49.00	0.26							1.0
SMLA	HE	102	287	IAML		2049	50.46		134	0.2					
SMLA	HN	102	287	IAML		2049	55.40		98	0.3					
BHK	BZ	134	297	EP		2049	41.95	0.54							1.0
BHK	BN	134	297	ES		2049	57.61-0.73								1.0
BHK	BE	134	297	IAML		2050	10.37		105	0.3					
BHK	BN	134	297	IAML		2050	11.25		192	0.4					
JOSI	BZ	135	104	EP		2049	41.17-0.41								1.0
JOSI	BN	135	104	ES		2049	58.75	0.12							1.0
JOSI	BE	135	104	IAML		2050	00.05		86	0.2					
JOSI	BN	135	104	IAML		2050	00.27		49	0.3					
SDNR	BZ	144	302	EP		2049	42.86-0.09								1.0
SDNR	BN	144	302	ES		2050	01.15	0.15							1.0
SDNR	BE	144	302	IAML		2050	02.33		72	0.2					
SDNR	BN	144	302	IAML		2050	02.76		105	0.3					
DHRM	HZ	236	311	EP		2049	54.26-0.44								1.0
DHRM	HN	236	311	ES		2050	20.74-0.60								1.0
DHRM	HN	236	311	IAML		2050	23.90		136	0.6					
DHRM	HE	236	311	IAML		2050	24.36		125	0.4					
PTH	BZ	240	126	EP		2049	55.56	0.52							1.0
PTH	BN	240	126	ES		2050	22.37	0.45							1.0
PTH	BN	240	126	IAML		2050	24.80		74	0.3					
PTH	BE	240	126	IAML		2050	24.89		54	0.4					
LGTI	BZ	244	131	EP		2049	55.05-0.62								1.0
LGTI	BN	244	131	ES		2050	22.90-0.12								1.0
LGTI	BN	244	131	IAML		2050	26.33		35	0.4					
LGTI	BE	244	131	IAML		2050	27.60		26	0.2					
THN	BZ	287	308	EP		2050	01.05	0.23							1.0
THN	BN	287	308	ES		2050	32.68	0.76							1.0

December 27 2022 Hour: 21:14 0.7 Lat: 36.79N Lon: 72.28E D:140.0F Ag: NCS Regional
 Magnitudes: 3.2ML NCS 3.4MW NCS Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
UDMP	HZ	502	148	EP		2115	07.24-0.02								1.0
UDMP	HN	502	148	ES		2115	55.86	0.04							1.0
UDMP	HE	502	148	ES		2115	55.89	0.07							1.0
THN	BZ	580	145	EP		2115	16.47-0.11								1.0
THN	BE	580	145	ES		2116	11.80-0.14								1.0
THN	BN	580	145	ES		2116	12.06	0.12							1.0
DHRM	HZ	625	143	EP		2115	21.94	0.06							1.0
DHRM	HE	625	143	ES		2116	20.79-0.32								1.0
DHRM	HN	625	143	ES		2116	21.11-0.00								1.0
DHRM	HE	625	143	IAML		2116	25.00		45	0.2					
DHRM	HN	625	143	IAML		2116	26.12		59	0.2					
SDNR	BZ	722	142	EP		2115	33.35-0.11								1.0
SDNR	BN	722	142	ES		2116	41.25	0.10							1.0
SDNR	BE	722	142	ES		2116	42.02	0.87							1.0
SDNR	BN	722	142	IAML		2116	44.16		9	0.3					

GTK SE 739 310 IAML 0420 56.72 86 0.2

December 28 2022 Hour: 13:15 5.2 Lat: 23.42N Lon: 70.21E D: 13.1 Ag: NCS Local
Magnitudes: 3.2ML NCS 3.3MW NCS Rms: 0.6 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHUJ	HZ	60	253	EP		1315	16.26	0.40							1.0
BHUJ	HN	60	253	ES		1315	23.37	-0.30							1.0
BHUJ	HE	60	253	IAML		1315	25.93		1053	0.4					
BHUJ	HN	60	253	IAML		1315	26.07		1138	0.3					
BHV	BZ	271	133	EP		1315	44.08	-0.88							1.0
BHV	BE	271	133	ES		1316	13.77	-0.23							1.0
BHV	BE	271	133	IAML		1316	15.99		199	0.2					
BHV	BN	271	133	IAML		1316	18.13		345	0.1					
SRAT	HZ	363	133	EP		1315	56.86	0.70							1.0
SRAT	HE	363	133	ES		1316	33.69	0.30							1.0
UDPR	BZ	379	69	EP		1315	57.44	-0.70							1.0
UDPR	BE	379	69	ES		1316	37.80	0.99							1.0
UDPR	BE	379	69	IAML		1316	43.78		28	0.2					
JASL	BZ	394	10	EP		1316	00.45	0.42							1.0
JASL	BE	394	10	IAML		1316	48.37		141	0.6					
JODH	HZ	425	42	EP		1316	03.97	0.13							1.0
JODH	HE	425	42	ES		1316	46.67	0.00							1.0
JODH	HN	425	42	IAML		1316	57.03		98	0.3					
JODH	HE	425	42	IAML		1316	57.91		70	0.5					
AJM	BZ	557	52	EP		1316	20.04	0.16							1.0
AJM	BE	557	52	ES		1317	13.44	-0.99							1.0
AJM	BN	557	52	IAML		1317	37.06		23	0.8					
AJM	BE	557	52	IAML		1317	39.85		32	1.4					

December 28 2022 Hour: 16:34 21.8 Lat: 21.08S Lon: 172.27E D: 10.0F Ag: NCS Distant
Magnitudes: 5.9MW NCS Rms: 0.8 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PBA	HZ	9411	285	EP		1646	56.85	1.08							1.0
DGPR	HZ	9457	286	EP		1646	56.85	-1.00							1.0
CMPI	HZ	9871	296	EP		1647	15.97	-0.04							1.0
KOHI	SZ	9896	298	EP		1647	15.27	-1.60							0.9
SHL	HZ10085	297	EP		1647	25.51	0.75								1.0
TURA	SZ10247	296	EP		1647	31.65	0.19								1.0
BWNR	BZ10453	290	EP		1647	39.81	-0.29								1.0
BOKR	HZ10586	293	EP		1647	45.98	0.47								1.0
STMR	BZ10758	296	EP		1647	52.63	0.22								1.0
JGDP	HZ10780	288	EP		1647	54.17	0.75								1.0
SALM	BZ10893	279	EP		1647	58.26	0.19								1.0
BRCH	BZ11131	296	EP		1648	06.45	-0.69								1.0
JBPL	HZ11135	291	EP		1648	06.45	-0.79								1.0
FRKB	BZ11316	295	EP		1648	14.78	0.26								1.0
PTH	BZ11330	297	EP		1648	16.68	1.63								0.9
JHNI	BZ11342	293	EP		1648	14.63	-0.84								1.0
BHPL	HZ11382	290	EP		1648	16.69	-0.42								1.0
JOSI	BZ11422	298	EP		1648	18.73	0.01								1.0
INDR	HZ11505	289	EP		1648	20.78	-1.27								0.9
ASOR	BZ11530	296	EP		1648	23.30	0.30								1.0
JMIU	BZ11569	295	EP		1648	24.81	0.24								1.0
SONA	BZ11580	295	EP		1648	25.19	0.20								1.0
AYAN	BZ11582	295	EP		1648	26.91	1.79								0.9
UJWA	BZ11604	295	EP		1648	26.91	0.92								1.0
JHJR	BZ11627	295	EP		1648	28.96	2.10								0.9
RTK	BZ11665	296	EP		1648	28.66	0.28								1.0
CGRH	BZ11683	297	EP		1648	28.96	-0.17								1.0
BHK	BZ11688	298	EP		1648	28.96	-0.43								1.0
SDNR	BZ11695	298	EP		1648	30.08	0.42								1.0
ALCI	BZ11749	301	EP		1648	31.01	-0.80								1.0
AJM	BZ11755	293	EP		1648	31.01	-1.02								1.0
UDPR	BZ11787	291	EP		1648	33.06	-0.23								1.0

THN	BZ11822	299	EP	1648	35.10	0.38	1.0
BHV	BZ11853	287	EP	1648	35.10	-0.77	1.0
JMU	BZ11920	299	EP	1648	37.15	-1.50	0.9
SRGN	BZ11928	296	EP	1648	39.23	0.30	1.0
BKNR	BZ11936	294	EP	1648	39.47	0.22	1.0
SRIN	BZ11957	300	EP	1648	39.20	-0.91	1.0
JASL	BZ12127	292	EP	1648	47.38	0.55	1.0

December 28 2022 Hour: 22:50 15.7 Lat: 36.61N Lon: 71.38E D:180.0F Ag: NCS Regional
Magnitudes: 3.7ML NCS 3.8MW NCS Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JMU	BZ	529	142	EP		2251	26.99	0.44							1.0
JMU	BE	529	142	ES		2252	18.00	-0.28							1.0
JMU	BE	529	142	IAML		2252	24.48			174	0.4				
JMU	BN	529	142	IAML		2252	24.86			158	0.4				
UDMP	HZ	534	139	EP		2251	27.58	0.51							1.0
UDMP	HE	534	139	ES		2252	19.09	-0.10							1.0
THN	BZ	615	137	EP		2251	35.96	-0.63							1.0
THN	BN	615	137	ES		2252	36.20	0.55							1.0
DHRM	HZ	663	135	EP		2251	41.78	-0.39							1.0
DHRM	HN	663	135	ES		2252	45.67	0.36							1.0
DHRM	HN	663	135	IAML		2252	51.09			340	0.4				
DHRM	HE	663	135	IAML		2252	51.42			198	0.6				
SDNR	BZ	759	136	EP		2251	53.39	-0.20							1.0
SDNR	BE	759	136	ES		2253	04.90	-0.16							1.0
SDNR	BE	759	136	IAML		2253	09.05			50	0.3				
SDNR	BN	759	136	IAML		2253	09.88			30	0.3				
BHK	BZ	773	137	EP		2251	55.32	0.05							1.0
BHK	BN	773	137	IAML		2253	09.14			53	0.3				
BHK	BE	773	137	IAML		2253	09.38			51	0.3				
SMLA	HZ	810	137	EP		2251	59.68	0.07							1.0
SMLA	HN	810	137	ES		2253	15.15	-0.32							1.0
SMLA	HE	810	137	IAML		2253	21.30			75	0.6				
SMLA	HN	810	137	IAML		2253	23.17			68	0.4				
JOSI	BZ	1013	129	EP		2252	23.93	0.14							1.0
JOSI	BE	1013	129	ES		2253	57.27	-0.04							1.0
JOSI	BN	1013	129	IAML		2254	04.81			17	0.3				
JOSI	BE	1013	129	IAML		2254	05.31			21	0.9				

December 29 2022 Hour: 5:15 9.8 Lat: 11.87N Lon: 92.80E D: 81.6 Ag: NCS Regional
Magnitudes: 3.7ML NCS 3.9MW NCS Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PBA	HZ	24	194	EP		0502	11.86	0.00							1.0
PBA	HE	24	194	IAML		0502	21.83			3883	0.5				
PBA	HN	24	194	IAML		0502	23.10			2277	0.3				
DGPR	HZ	145	6	EP		0502	22.66	-0.12							1.0
DGPR	HE	145	6	ES		0502	39.67	0.07							1.0
DGPR	HE	145	6	IAML		0502	41.30			732	0.5				
DGPR	HN	145	6	IAML		0502	41.65			423	0.3				
CMBY	HZ	532	166	EP		0503	09.28	0.12							1.0
CMBY	HE	532	166	ES		0503	59.75	-0.07							1.0
CMBY	HN	532	166	IAML		0504	04.60			217	0.9				
CMBY	HE	532	166	IAML		0504	14.91			261	0.6				

December 29 2022 Hour: 6:57 54.7 Lat: 26.62N Lon: 92.27E D: 11.1 Ag: NCS Local
Magnitudes: 3.2ML NCS 3.4MW NCS Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SHL	HZ	121	194	EP		0658	14.63	-0.79							1.0
SHL	HN	121	194	ES		0658	31.05	0.49							1.0
SHL	HE	121	194	IAML		0658	32.19			708	0.1				
SHL	HN	121	194	IAML		0658	32.35			512	0.3				
ITAN	SZ	155	68	EP		0658	21.09	0.49							1.0
ITAN	SE	155	68	ES		0658	39.31	-0.22							1.0
ITAN	SN	155	68	IAML		0658	40.90			978	0.2				

ITAN	SE	155	68	IAML	0658	41.06		1164	0.3					
ZIRO	SZ	186	57	EP	0658	24.63	0.31						1.0	
ZIRO	SN	186	57	ES	0658	45.90	-0.07						1.0	
ZIRO	SN	186	57	IAML	0658	47.97		2368	0.5					
ZIRO	SE	186	57	IAML	0658	48.21		3739	0.8					
KOHI	SZ	209	118	EP	0658	26.62	-0.56						1.0	
KOHI	SE	209	118	ES	0658	50.93	0.02						1.0	
KOHI	SN	209	118	IAML	0659	05.06		235	0.4					
KOHI	SE	209	118	IAML	0659	05.58		240	0.6					
SILR	SZ	211	165	EP	0658	27.29	-0.07						1.0	
SILR	SN	211	165	ES	0658	50.93	-0.29						1.0	
SILR	SE	211	165	IAML	0658	59.34		302	0.1					
SILR	SN	211	165	IAML	0658	59.58		254	0.8					
MOKO	SZ	226	98	EP	0658	29.36	0.05						1.0	
MOKO	SN	226	98	ES	0658	54.60	0.00						1.0	
MOKO	SE	226	98	IAML	0659	00.45		138	0.2					
MOKO	SN	226	98	IAML	0659	00.77		209	0.2					
CMPI	HZ	362	163	EP	0658	46.20	0.15						1.0	
CMPI	HN	362	163	ES	0659	23.72	0.17						1.0	
CMPI	HN	362	163	IAML	0659	27.35		27	0.2					
CMPI	HE	362	163	IAML	0659	27.61		55	0.4					
GTK	SN	373	283	ES	0659	25.38	-0.08						1.0	
GTK	SN	373	283	IAML	0659	30.21		40	0.3					
GTK	SE	373	283	IAML	0659	32.88		60	0.1					
SAIH	SZ	464	171	EP	0658	58.71	0.41						1.0	
SAIH	SE	464	171	ES	0659	44.76	0.01						1.0	
SAIH	SE	464	171	IAML	0659	49.10		42	0.6					
SAIH	SN	464	171	IAML	0659	49.81		22	0.8					

December 29 2022 Hour: 13:14 18.1

Ag: NCS Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SAIH	SZ			EP		1320	23.56								
KOHI	SZ			EP		1320	27.64								
SHL	HZ			EP		1320	44.78								
RAGD	BZ			EP		1321	28.38								
RAIP	HZ			EP		1321	43.11								
CNWR	HZ			EP		1322	03.36								
ATP	HZ			EP		1322	07.40								
KOD	BZ			EP		1322	05.09								
CHT	HZ			EP		1322	07.40								
LATR	BZ			EP		1322	17.32								
JOSI	BZ			EP		1322	15.62								
SLPR	HZ			EP		1322	20.99								
INDR	HZ			EP		1322	25.62								
SMLA	HZ			EP		1322	34.01								
POO	HZ			EP		1324	15.14								
DHRM	HZ			EP		1322	40.08								
UDPR	BZ			EP		1322	41.79								
THN	BZ			EP		1322	45.87								

December 29 2022 Hour: 13:45 56.3 Lat: 36.56N Lon: 71.54E D:180.0F

Ag: NCS Regional

Magnitudes: 3.4ML NCS 3.5MW NCS

Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JMU	BZ	517	143	EP		1347	05.44	-0.20							1.0
JMU	BN	517	143	ES		1347	56.12	-0.15							1.0
JMU	BE	517	143	IAML		1348	02.46			89	0.2				
JMU	BN	517	143	IAML		1348	02.52			92	0.8				
UDMP	HZ	521	140	EP		1347	06.22	0.11							1.0
UDMP	HE	521	140	ES		1347	57.16	0.08							1.0
ALCI	BZ	575	115	EP		1347	12.52	0.04							1.0
ALCI	BN	575	115	ES		1348	08.03	-0.08							1.0
ALCI	BN	575	115	IAML		1348	14.44			28	1.1				
ALCI	BE	575	115	IAML		1348	14.52			39	0.7				
THN	BZ	602	138	EP		1347	15.61	0.03							1.0

THN	BN	602	138	ES	1348	13.59	0.12										1.0
DHRM	HZ	649	136	EP	1347	21.06	-0.07										1.0
DHRM	HN	649	136	ES	1348	23.12	0.05										1.0
DHRM	HN	649	136	IAML	1348	28.38			198	0.5							
DHRM	HE	649	136	IAML	1348	28.85			145	0.9							
SDNR	BZ	745	137	EP	1347	32.67	0.12										1.0
SDNR	BE	745	137	ES	1348	42.89	0.07										1.0
SDNR	BE	745	137	IAML	1348	48.27			27	0.3							
SDNR	BN	745	137	IAML	1348	53.79			18	0.3							
BHK	BZ	760	137	EP	1347	34.16	-0.07										1.0
BHK	BN	760	137	ES	1348	45.59	-0.15										1.0
BHK	BN	760	137	IAML	1348	48.12			36	0.5							
BHK	BE	760	137	IAML	1348	49.18			32	0.6							
SMLA	HZ	797	138	EP	1347	38.62	0.05										1.0
SMLA	HN	797	138	ES	1348	53.28	0.04										1.0
SMLA	HE	797	138	IAML	1348	58.98			29	0.9							

December 29 2022 Hour: 20:21 20.4 Lat: 36.38N Lon: 70.28E D: 38.3 Ag: NCS Regional
Magnitudes: 3.8ML NCS 3.9MW NCS Rms: 0.3 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	486	121	EP		2022	23.68	-0.33							1.0
SRIN	BN	486	121	ES		2023	10.43	-0.01							1.0
SRIN	BN	486	121	IAML		2023	22.21			280	0.3				
SRIN	BE	486	121	IAML		2023	22.41			374	0.1				
JMU	BZ	578	132	EP		2022	34.53	-0.65							1.0
JMU	BE	578	132	ES		2023	29.59	-0.18							1.0
JMU	BE	578	132	IAML		2023	40.45			106	0.9				
JMU	BN	578	132	IAML		2023	40.92			93	0.5				
UDMP	HZ	587	129	EP		2022	36.32	0.00							1.0
UDMP	HN	587	129	ES		2023	31.89	0.15							1.0
THN	BZ	670	129	EP		2022	46.82	0.40							1.0
THN	BN	670	129	ES		2023	49.31	0.09							1.0
AMRT	HZ	677	140	EP		2022	47.33	0.11							1.0
AMRT	HN	677	140	ES		2023	50.59	-0.02							1.0
AMRT	HN	677	140	IAML		2023	58.61			641	0.3				
AMRT	HE	677	140	IAML		2023	58.88			660	0.5				
DHRM	HZ	719	128	EP		2022	52.90	0.40							1.0
DHRM	HN	719	128	ES		2023	59.94	0.21							1.0
DHRM	HE	719	128	IAML		2024	07.76			185	0.5				
DHRM	HN	719	128	IAML		2024	08.93			113	0.3				
SDNR	BZ	814	129	EP		2023	04.20	0.13							1.0
SDNR	BN	814	129	ES		2024	19.24	-0.51							1.0
SDNR	BE	814	129	IAML		2024	26.88			36	0.2				
SDNR	BN	814	129	IAML		2024	28.41			28	0.3				
BHK	BZ	827	130	EP		2023	05.43	-0.24							1.0
BHK	BE	827	130	ES		2024	22.69	0.16							1.0
BHK	BN	827	130	IAML		2024	23.62			105	0.7				
BHK	BE	827	130	IAML		2024	25.87			77	0.4				
SMLA	HZ	864	130	EP		2023	10.26	0.18							1.0
SMLA	HN	864	130	ES		2024	30.28	0.12							1.0
SMLA	HE	864	130	IAML		2024	38.09			59	0.5				
SMLA	HN	864	130	IAML		2024	38.40			79	0.6				

December 30 2022 Hour: 1:45 14.8 Lat: 36.75N Lon: 71.16E D:151.0F Ag: NCS Regional
Magnitudes: 4.2ML NCS 4.0MW NCS Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRIN	BZ	447	131	EP		0146	16.17	1.10							1.0
SRIN	BN	447	131	ES		0146	59.53	0.45							1.0
SRIN	BE	447	131	IAML		0147	02.51			1743	0.8				
SRIN	BN	447	131	IAML		0147	05.01			2896	0.4				
UDMP	HZ	559	138	EP		0146	28.38	0.08							1.0
UDMP	HE	559	138	ES		0147	22.16	0.18							1.0
THN	BZ	640	137	EP		0146	38.53	0.56							1.0
THN	BN	640	137	ES		0147	38.75	0.04							1.0

DHRM	HZ	688	135	EP	0146	44.15	0.52									1.0
DHRM	HN	688	135	ES	0147	48.45	-0.05									1.0
DHRM	HN	688	135	IAML	0147	51.39		1200	0.4							
DHRM	HE	688	135	IAML	0147	51.56		679	0.4							
BHK	BZ	798	136	EP	0146	56.71	-0.13									1.0
BHK	BE	798	136	ES	0148	11.15	-0.20									1.0
BHK	BE	798	136	IAML	0148	13.92		184	0.9							
BHK	BN	798	136	IAML	0148	13.98		224	0.1							
SMLA	HZ	835	137	EP	0147	00.52	-0.69									1.0
SMLA	HN	835	137	ES	0148	18.77	-0.14									1.0
SMLA	HE	835	137	IAML	0148	22.33		448	0.4							
AYAN	BZ	1074	147	EP	0147	29.11	-0.84									1.0
AYAN	BE	1074	147	IAML	0149	10.11		65	0.3							
AYAN	BN	1074	147	IAML	0149	12.81		58	0.5							
PTH	BZ	1158	131	EP	0147	39.01	-0.93									1.0
PTH	BE	1158	131	ES	0149	25.57	-0.34									1.0
PTH	BE	1158	131	IAML	0149	27.87		32	0.2							
PTH	BN	1158	131	IAML	0149	29.47		45	0.5							
JODH	HZ	1177	171	EP	0147	42.25	-0.04									1.0
JODH	HN	1177	171	ES	0149	29.25	-0.73									1.0
JODH	HE	1177	171	IAML	0149	33.09		95	0.3							
JODH	HN	1177	171	IAML	0149	34.52		93	0.3							
AJM	BZ	1191	163	EP	0147	44.11	0.12									1.0
AJM	BE	1191	163	ES	0149	33.38	0.46									1.0
AJM	BE	1191	163	IAML	0149	41.62		25	0.3							
AJM	BN	1191	163	IAML	0149	43.49		25	0.4							
UDPR	BZ	1371	169	EP	0148	05.79	0.17									1.0
UDPR	BN	1371	169	ES	0150	10.76	0.43									1.0
UDPR	BN	1371	169	IAML	0150	15.02		32	0.9							
UDPR	BE	1371	169	IAML	0150	16.10		33	0.7							

December 30 2022 Hour: 8:9 30.3

Ag: NCS Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SAIH	SZ			EP		0813	45.91								
SAIH	SE			ES		0814	09.93								
CMPI	HZ			EP		0813	53.48								
CMPI	HE			ES		0814	21.26								
KOHI	SZ			EP		0814	16.11								
KOHI	SN			ES		0815	08.83								
MOKO	SZ			EP		0814	24.34								
MOKO	SE			ES		0815	19.80								
SHL	HZ			EP		0814	21.02								
SHL	HN			ES		0815	07.32								
TURA	SZ			EP		0814	32.74								
TURA	SN			ES		0815	28.41								
BOKR	HN			ES		0816	34.67								
BOKR	HZ			EP		0814	45.25								

December 30 2022 Hour: 8:13 19.7 Lat: 21.77N Lon: 94.29E D:112.2

Ag: NCS Regional

Magnitudes: 3.5ML NCS 3.7MW NCS

Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SAIH	SZ	156	301	EP		0813	45.61	0.04							1.0
SAIH	SN	156	301	ES		0814	04.24	-0.22							1.0
SAIH	SN	156	301	IAML		0814	07.45			986	0.6				
SAIH	SE	156	301	IAML		0814	11.30			1106	0.6				
CMPI	HZ	216	332	EP		0813	52.40	0.18							1.0
CMPI	HN	216	332	ES		0814	16.12	0.16							1.0
CMPI	HE	216	332	IAML		0814	23.31			881	0.4				
CMPI	HN	216	332	IAML		0814	25.39			633	1.0				
KOHI	SZ	438	358	EP		0814	18.30	0.25							1.0
KOHI	SN	438	358	ES		0815	01.06	0.40							1.0
KOHI	SN	438	358	IAML		0815	10.66			73	0.5				
KOHI	SE	438	358	IAML		0815	12.34			70	0.7				
SHL	HZ	482	331	EP		0814	23.23	-0.05							1.0

SHL	HE	482	331	ES	0815	09.60-0.11										1.0
SHL	HE	482	331	IAML	0815	10.51			171	0.2						
SHL	HN	482	331	IAML	0815	12.14			238	0.1						
MOKO	SZ	504	3	EP	0814	25.84-0.24										1.0
MOKO	SN	504	3	ES	0815	14.07-0.47										1.0
MOKO	SE	504	3	IAML	0815	18.56			27	0.5						
MOKO	SN	504	3	IAML	0815	19.26			54	0.2						
TURA	SZ	587	316	EP	0814	35.87-0.04										1.0
TURA	SE	587	316	ES	0815	31.65-0.09										1.0
TURA	SN	587	316	IAML	0815	32.81			178	0.4						
TURA	SE	587	316	IAML	0815	33.90			153	0.1						

December 30 2022 Hour: 18:16 23.8 Lat: 24.03N Lon: 94.64E D:130.9 Ag: NCS Regional
Magnitudes: 3.4ML NCS 3.5MW NCS Rms: 0.4 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CMPI	HZ	148	246	EP		1816	50.60	0.37							1.0
CMPI	HN	148	246	ES		1817	09.04-0.49								1.0
CMPI	HN	148	246	IAML		1817	12.48			346	0.6				
CMPI	HE	148	246	IAML		1817	14.37			605	0.8				
SAIH	SZ	241	225	EP		1816	59.36-0.41								1.0
SAIH	SE	241	225	ES		1817	26.58-0.55								1.0
SAIH	SN	241	225	IAML		1817	28.68			82	0.2				
SAIH	SE	241	225	IAML		1817	30.87			221	0.3				
SHL	HZ	317	303	EP		1817	08.48-0.08								1.0
SHL	HN	317	303	ES		1817	41.32-0.35								1.0
SHL	HN	317	303	IAML		1817	43.19			415	0.3				
SHL	HE	317	303	IAML		1817	44.33			288	0.2				
TURA	SZ	476	291	EP		1817	26.72-0.28								1.0
TURA	SE	476	291	ES		1818	12.78-0.36								1.0
TURA	SN	476	291	IAML		1818	15.51			214	0.2				
TURA	SE	476	291	IAML		1818	16.34			237	0.2				
GTK	SN	707	302	ES		1819	01.16-0.19								1.0
GTK	SN	707	302	IAML		1819	08.37			22	0.1				
GTK	SE	707	302	IAML		1819	09.12			18	0.4				

December 31 2022 Hour: 0:21 20.1 Lat: 31.46N Lon: 76.98E D: 4.7 Ag: NCS Local
Magnitudes: 2.3ML NCS 2.4MW NCS Rms: 0.1 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BHK	BZ	8	210	EP		0021	21.81-0.02								1.0
BHK	BE	8	210	ES		0021	23.08-0.04								1.0
BHK	BN	8	210	IAML		0021	42.52			154	0.3				
BHK	BE	8	210	IAML		0021	42.63			107	0.3				
SDNR	BZ	11	321	EP		0021	22.29-0.06								1.0
SDNR	BE	11	321	ES		0021	23.84-0.03								1.0
SDNR	BN	11	321	IAML		0021	24.76			1855	0.3				
SDNR	BE	11	321	IAML		0021	24.89			1526	0.2				
SMLA	HZ	41	154	EP		0021	27.27-0.03								1.0
SMLA	HN	41	154	ES		0021	32.51-0.03								1.0
SMLA	HN	41	154	IAML		0021	33.60			172	0.3				
SMLA	HE	41	154	IAML		0021	34.25			362	0.3				
DHRM	HZ	108	324	EP		0021	38.71-0.16								1.0
DHRM	HE	108	324	ES		0021	52.50-0.11								1.0
DHRM	HE	108	324	IAML		0021	56.09			125	0.7				
DHRM	HN	108	324	IAML		0021	56.71			125	0.5				
THN	BZ	156	315	EP		0021	46.78-0.08								1.0
THN	BN	156	315	ES		0022	06.19-0.04								1.0
UDMP	HZ	238	313	EP		0021	57.13-0.26								1.0
UDMP	HN	238	313	ES		0022	23.62-0.12								1.0
JOSI	BZ	266	112	EP		0022	00.54-0.30								1.0
JOSI	BN	266	112	ES		0022	29.46-0.11								1.0
JOSI	BE	266	112	IAML		0022	31.32			35	0.3				
JOSI	BN	266	112	IAML		0022	31.70			28	0.3				
PTH	BZ	373	123	EP		0022	13.06-0.22								1.0
PTH	BN	373	123	ES		0022	52.11-0.03								1.0

PTH	BN	373	123	IAML	0023	02.39	13	0.3
PTH	BE	373	123	IAML	0023	03.73	10	0.2

December 31 2022 Hour: 14:30 17.8

Ag: NCS Regional

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SAIH	SZ			EP		1431	05.62								
CMPI	HN			ES		1431	44.84								
SAIH	SN			ES		1431	40.72								
SAIH	SE			ES		1431	40.72								
CMPI	HE			ES		1431	44.84								
CMPI	HZ			EP		1431	07.77								

December 31 2022 Hour: 19:49 46.7 Lat: 28.72N Lon: 76.61E D: 4.5

Ag: NCS Local

Magnitudes: 3.8ML NCS 3.6MW NCS

Rms: 0.5 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
JHJR	BZ	13	147	EP		1949	48.80	-0.33							1.0
JHJR	BE	13	147	IAML		1949	49.53		115000		0.2				
JHJR	BN	13	147	IAML		1949	49.86		61544		0.2				
UJWA	BZ	34	120	EP		1949	52.89	0.16							1.0
UJWA	BN	34	120	ES		1949	57.01	-0.08							1.0
UJWA	BE	34	120	IAML		1949	58.49		9848		0.4				
UJWA	BN	34	120	IAML		1949	58.77		6338		0.3				
RTK	BZ	40	331	EP		1949	53.61	-0.16							1.0
RTK	BN	40	331	IAML		1949	59.08		11552		0.2				
RTK	BE	40	331	IAML		1950	01.24		9919		0.2				
NRLA	BZ	49	72	EP		1949	56.23	0.89							1.0
NRLA	BN	49	72	ES		1950	02.21	0.59							1.0
NRLA	BN	49	72	IAML		1950	03.70		6670		0.3				
NRLA	BE	49	72	IAML		1950	04.19		3520		0.5				
NPL	BZ	55	99	EP		1949	55.96	-0.34							1.0
NPL	BN	55	99	ES		1950	03.30	0.03							1.0
NPL	BE	55	99	IAML		1950	05.09		5404		0.2				
NPL	BN	55	99	IAML		1950	06.03		5101		0.2				
AYAN	BZ	56	118	EP		1949	56.65	0.05							1.0
AYAN	BN	56	118	ES		1950	03.54	-0.25							1.0
AYAN	BE	56	118	IAML		1950	04.90		1342		0.3				
NDI	HZ	58	93	EP		1949	56.63	-0.32							1.0
NDI	HN	58	93	ES		1950	04.63	0.24							1.0
NDI	HE	58	93	IAML		1950	06.34		937		0.6				
NDI	HN	58	93	IAML		1950	06.39		1172		0.3				
LDR	HZ	61	104	EP		1949	57.63	0.26							1.0
LDR	HN	61	104	ES		1950	05.30	0.18							1.0
LDR	HE	61	104	IAML		1950	09.14		5858		0.2				
LDR	HN	61	104	IAML		1950	09.78		7235		0.4				
SONA	BZ	68	140	EP		1949	58.63	0.07							1.0
SONA	BN	68	140	ES		1950	06.96	-0.23							1.0
JMIU	BZ	68	104	EP		1949	58.63	0.01							1.0
JMIU	BE	68	104	ES		1950	06.63	-0.66							1.0
JMIU	BN	68	104	IAML		1950	09.08		5479		0.3				
JMIU	BE	68	104	IAML		1950	10.00		6187		0.7				
FBD	HZ	76	116	EP		1949	59.96	-0.06							1.0
FBD	HE	76	116	ES		1950	09.73	0.03							1.0
FBD	HE	76	116	IAML		1950	11.39		5589		0.5				
FBD	HN	76	116	IAML		1950	12.70		7629		0.3				
ASOR	BZ	113	88	EP		1950	06.09	-0.25							1.0
ASOR	BN	113	88	ES		1950	20.34	-0.30							1.0
ASOR	BE	113	88	IAML		1950	21.59		6219		0.3				
CHUR	HZ	169	254	EP		1950	14.95	-0.21							1.0
CHUR	HE	169	254	ES		1950	36.17	0.27							1.0
CHUR	HN	169	254	IAML		1950	37.68		2753		0.3				
CHUR	HE	169	254	IAML		1950	37.91		4530		0.1				
DDI	HZ	226	38	EP		1950	22.15	-0.01							1.0
DDI	HN	226	38	ES		1950	47.60	-0.41							1.0
DDI	HN	226	38	IAML		1950	51.97		896		0.3				

DDI	HE	226	38	IAML	1950	52.38	771	0.3	
SMLA	HZ	273	11	EP	1950	27.82-0.01			1.0
SMLA	HE	273	11	ES	1950	57.82-0.01			1.0
SMLA	HN	273	11	IAML	1951	04.96	354	0.5	
SMLA	HE	273	11	IAML	1951	05.27	591	0.7	
SRGN	BZ	297	297	EP	1950	30.92 0.11			1.0
SRGN	BN	297	297	ES	1951	02.82-0.15			1.0
SRGN	BN	297	297	IAML	1951	15.20	1484	0.6	
SRGN	BE	297	297	IAML	1951	15.94	902	1.4	
BHK	BZ	299	6	EP	1950	30.60-0.46			1.0
BHK	BE	299	6	ES	1951	02.97-0.43			1.0
BHK	BN	299	6	IAML	1951	07.26	333	0.3	
BHK	BE	299	6	IAML	1951	10.31	262	0.6	
SDNR	BZ	314	5	EP	1950	33.26 0.31			1.0
SDNR	BE	314	5	ES	1951	06.87 0.19			1.0
SDNR	BE	314	5	IAML	1951	10.41	225	0.5	
SDNR	BN	314	5	IAML	1951	14.10	182	0.4	
AJM	BZ	321	218	EP	1950	33.50-0.21			1.0
AJM	BE	321	218	ES	1951	08.11 0.11			1.0
AJM	BE	321	218	IAML	1951	14.84	641	0.4	
AJM	BN	321	218	IAML	1951	17.26	221	0.2	
FRKB	BZ	325	116	EP	1950	34.25-0.05			1.0
FRKB	BN	325	116	ES	1951	08.77-0.25			1.0
FRKB	BN	325	116	IAML	1951	11.07	1125	0.4	
FRKB	BE	325	116	IAML	1951	11.30	1364	0.5	
BKNR	BZ	332	261	EP	1950	35.12 0.07			1.0
BKNR	BE	332	261	ES	1951	10.40 0.09			1.0
BKNR	BE	332	261	IAML	1951	22.98	875	0.6	
BKNR	BN	332	261	IAML	1951	24.74	784	0.6	
LGTI	BZ	346	77	EP	1950	36.96 0.09			1.0
LGTI	BN	346	77	ES	1951	13.30-0.15			1.0
LGTI	BE	346	77	IAML	1951	19.62	91	0.2	
LGTI	BN	346	77	IAML	1951	22.74	115	0.5	
JOSI	BZ	351	54	EP	1950	39.17 1.83			1.0
JOSI	BN	351	54	ES	1951	14.40 0.13			1.0
JOSI	BN	351	54	IAML	1951	29.02	711	0.7	
JOSI	BE	351	54	IAML	1951	31.13	627	0.6	
PTH	BZ	362	74	EP	1950	39.99 1.23			1.0
PTH	BN	362	74	ES	1951	15.49-1.24			1.0
PTH	BE	362	74	IAML	1951	16.74	140	0.6	
PTH	BN	362	74	IAML	1951	19.78	134	1.1	
DHRM	HZ	393	356	EP	1950	42.31-0.24			1.0
DHRM	HE	393	356	ES	1951	22.94-0.34			1.0
DHRM	HE	393	356	IAML	1951	33.81	354	0.7	
DHRM	HN	393	356	IAML	1951	37.24	487	0.8	
JHNI	BZ	412	151	EP	1950	44.53-0.25			1.0
JHNI	BN	412	151	ES	1951	27.07-0.08			1.0
JHNI	BN	412	151	IAML	1951	29.41	133	0.2	
JHNI	BE	412	151	IAML	1951	29.45	117	0.3	
THN	BZ	420	350	EP	1950	46.82 0.93			1.0
THN	BN	420	350	ES	1951	29.67 0.61			1.0
JODH	HZ	445	233	EP	1950	47.63-1.29			1.0
JODH	HN	445	233	ES	1951	34.87 0.56			1.0
JODH	HE	445	233	IAML	1951	49.00	537	0.4	
JODH	HN	445	233	IAML	1951	49.63	518	0.5	
JMU	BZ	482	340	EP	1950	53.30-0.14			1.0
JMU	BN	482	340	ES	1951	42.30 0.17			1.0
JMU	BN	482	340	IAML	1952	03.61	402	0.5	
JMU	BE	482	340	IAML	1952	09.77	554	0.8	
UDMP	HZ	487	343	EP	1950	53.77-0.20			1.0
UDMP	HN	487	343	ES	1951	42.17-0.88			1.0
UDPR	BZ	541	213	EP	1951	00.61-0.05			1.0
UDPR	BN	541	213	ES	1951	54.80 0.18			1.0
UDPR	BN	541	213	IAML	1952	11.49	95	0.7	

UDPR	BE	541	213	IAML	1952	13.55	173	1.1	
JASL	BZ	597	252	EP	1951	07.45 0.07			1.0
JASL	BE	597	252	ES	1952	05.85-0.38			1.0
JASL	BN	597	252	IAML	1952	31.09	291	1.0	
JASL	BE	597	252	IAML	1952	31.89	413	0.5	
BHPL	HZ	612	172	EP	1951	09.07-0.14			1.0
BHPL	HN	612	172	ES	1952	09.83 0.43			1.0
BHPL	HN	612	172	IAML	1952	11.05	65	0.2	
BHPL	HE	612	172	IAML	1952	11.99	82	0.2	
INDR	HZ	688	186	EP	1951	18.30-0.29			1.0
INDR	HN	688	186	ES	1952	25.92 0.29			1.0
JBPL	HZ	696	151	EP	1951	19.96 0.46			1.0
JBPL	HE	696	151	ES	1952	27.30 0.09			1.0
CNWR	HZ	774	162	EP	1951	28.78-0.29			1.0
CNWR	HN	774	162	ES	1952	44.18 0.41			1.0