mlab STATION

Static 10.000000 10.000000 10.000000 POS MODE/PRIORI (meter)

YES OBS STRICT EDITING

2024 11 23 17 9 30.00 OBS FIRST EPOCH

2024 11 23 18 59 30.00 OBS LAST EPOCH

30.00 OBS INTERVAL (sec)

7.00 OBS MASK ANGLE (deg)

0.30 MEASUREMENT NOISE PSEUDORANGE (1-SIGMA, meter)

0.01 MEASUREMENT NOISE CARRIER PHASE (1-SIGMA, cycle)

WUM0MGXRAP\_20243280000\_01D\_05M\_ORB.SP3 SAT ORBIT

WUM0MGXRAP\_20243280000\_01D\_30S\_CLK.CLK SAT CLOCK

WUM0MGXRAP\_20243280000\_01D\_30S\_ATT.OBX SAT ATTITUDE

WUM0MGXRAP\_20243280000\_01D\_01D\_OSB.BIA SAT BIAS

WUM0MGXRAP\_20243280000\_01D\_01D\_ERP.ERP EARTH ROTATION PARAMETERS

SEPT POLARX5 SITE RECEIVER TYPE

Unknown NONE SITE ANTENNA TYPE

0.0000 0.0000 0.0000 SITE ANTENNA E/N/H (meter)

G L1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

G L2 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

R G1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

R G2 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

E E1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

E E5a 5 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

C B1I 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

C B3I 6 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

J L1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

J L2 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

IGS20\_2335 TABLE ANTEX

WNO RECEIVER CLOCK

STO TROP ZENITH

PWC:720 TROP GRADIENT

NO IONO 2ND

SOLID POLE OCEAN(Scherneck) TIDES

YES GPS 9 GAL 8 BDS2 0 BDS3 0 QZSS 0 AMB FIXING

600.00 AMB DURATION (sec)

15.00 AMB CUTOFF (deg)

0.20 0.15 1000.00 AMB WIDELANE

0.15 0.15 1000.00 AMB NARROWLANE

3 4 1.80 3.00 AMB SEARCH

DEFAULT AMB AT DAY-BOUNDARY

Start Field Description COMMENT

Name STATION NAME

Mjd MODIFIED JULIAN DAY

X X COORDINATE (meter)

Y Y COORDINATE (meter)

Z Z COORDINATE (meter)

Sx DIAGONAL COFACTOR OF X COORDINATE

Sy DIAGONAL COFACTOR OF Y COORDINATE

Sz DIAGONAL COFACTOR OF Z COORDINATE

Rxy OFF-DIAGONAL COFACTOR OF X AND Y COORDINATES

Rxz OFF-DIAGONAL COFACTOR OF X AND Z COORDINATES

Ryz OFF-DIAGONAL COFACTOR OF Y AND Z COORDINATES

Sig0 SQUARE ROOT OF VARIANCE FACTOR (meter)

Nobs NUMBER OF OBSERVATIONS

End Field Description COMMENT

END OF HEADER

\*Name Mjd X Y Z Sx Sy Sz Rxy Rxz Ryz Sig0 Nobs

mlab 60637.7531 -2455562.12277 -4767172.09241 3441672.77062 0.15110439820358E-06 0.43947698585051E-06 0.19874835145594E-06 0.22324497921703E-06 -0.13691929524612E-06 -0.25881618724457E-06 0.22270367316750E+01 3431

msea STATION

Static 10.000000 10.000000 10.000000 POS MODE/PRIORI (meter)

YES OBS STRICT EDITING

2024 11 23 18 9 0.00 OBS FIRST EPOCH

2024 11 23 23 48 0.00 OBS LAST EPOCH

30.00 OBS INTERVAL (sec)

7.00 OBS MASK ANGLE (deg)

0.30 MEASUREMENT NOISE PSEUDORANGE (1-SIGMA, meter)

0.01 MEASUREMENT NOISE CARRIER PHASE (1-SIGMA, cycle)

WUM0MGXRAP\_20243280000\_01D\_05M\_ORB.SP3 SAT ORBIT

WUM0MGXRAP\_20243280000\_01D\_30S\_CLK.CLK SAT CLOCK

WUM0MGXRAP\_20243280000\_01D\_30S\_ATT.OBX SAT ATTITUDE

WUM0MGXRAP\_20243280000\_01D\_01D\_OSB.BIA SAT BIAS

WUM0MGXRAP\_20243280000\_01D\_01D\_ERP.ERP EARTH ROTATION PARAMETERS

SEPT POLARX5 SITE RECEIVER TYPE

Unknown NONE SITE ANTENNA TYPE

0.0000 0.0000 0.0000 SITE ANTENNA E/N/H (meter)

G L1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

G L2 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

R G1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

R G2 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

E E1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

E E5a 5 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

C B1I 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

C B3I 6 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

J L1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

J L2 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

IGS20\_2335 TABLE ANTEX

WNO RECEIVER CLOCK

STO TROP ZENITH

PWC:720 TROP GRADIENT

NO IONO 2ND

SOLID POLE OCEAN(Scherneck) TIDES

YES GPS 15 GAL 5 BDS2 0 BDS3 9 QZSS 0 AMB FIXING

600.00 AMB DURATION (sec)

15.00 AMB CUTOFF (deg)

0.20 0.15 1000.00 AMB WIDELANE

0.15 0.15 1000.00 AMB NARROWLANE

3 4 1.80 3.00 AMB SEARCH

DEFAULT AMB AT DAY-BOUNDARY

Start Field Description COMMENT

Name STATION NAME

Mjd MODIFIED JULIAN DAY

X X COORDINATE (meter)

Y Y COORDINATE (meter)

Z Z COORDINATE (meter)

Sx DIAGONAL COFACTOR OF X COORDINATE

Sy DIAGONAL COFACTOR OF Y COORDINATE

Sz DIAGONAL COFACTOR OF Z COORDINATE

Rxy OFF-DIAGONAL COFACTOR OF X AND Y COORDINATES

Rxz OFF-DIAGONAL COFACTOR OF X AND Z COORDINATES

Ryz OFF-DIAGONAL COFACTOR OF Y AND Z COORDINATES

Sig0 SQUARE ROOT OF VARIANCE FACTOR (meter)

Nobs NUMBER OF OBSERVATIONS

End Field Description COMMENT

END OF HEADER

\*Name Mjd X Y Z Sx Sy Sz Rxy Rxz Ryz Sig0 Nobs

msea 60637.8740 -2455598.01608 -4767131.46134 3441710.84066 0.22276139457267E-07 0.60835887863799E-07 0.29169614654904E-07 0.30418764520043E-07 -0.20176100290932E-07 -0.36572837369384E-07 0.18066776231026E+01 16135

mgrd STATION

Static 10.000000 10.000000 10.000000 POS MODE/PRIORI (meter)

YES OBS STRICT EDITING

2024 11 23 17 9 30.00 OBS FIRST EPOCH

2024 11 23 18 59 30.00 OBS LAST EPOCH

30.00 OBS INTERVAL (sec)

7.00 OBS MASK ANGLE (deg)

0.30 MEASUREMENT NOISE PSEUDORANGE (1-SIGMA, meter)

0.01 MEASUREMENT NOISE CARRIER PHASE (1-SIGMA, cycle)

WUM0MGXRAP\_20243280000\_01D\_05M\_ORB.SP3 SAT ORBIT

WUM0MGXRAP\_20243280000\_01D\_30S\_CLK.CLK SAT CLOCK

WUM0MGXRAP\_20243280000\_01D\_30S\_ATT.OBX SAT ATTITUDE

WUM0MGXRAP\_20243280000\_01D\_01D\_OSB.BIA SAT BIAS

WUM0MGXRAP\_20243280000\_01D\_01D\_ERP.ERP EARTH ROTATION PARAMETERS

SEPT POLARX5 SITE RECEIVER TYPE

Unknown NONE SITE ANTENNA TYPE

0.0000 0.0000 0.0000 SITE ANTENNA E/N/H (meter)

G L1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

G L2 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

R G1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

R G2 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

E E1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

E E5a 5 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

C B1I 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

C B3I 6 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

J L1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

J L2 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

IGS20\_2335 TABLE ANTEX

WNO RECEIVER CLOCK

STO TROP ZENITH

PWC:720 TROP GRADIENT

NO IONO 2ND

SOLID POLE OCEAN(Scherneck) TIDES

NO AMB FIXING

Start Field Description COMMENT

Name STATION NAME

Mjd MODIFIED JULIAN DAY

X X COORDINATE (meter)

Y Y COORDINATE (meter)

Z Z COORDINATE (meter)

Sx DIAGONAL COFACTOR OF X COORDINATE

Sy DIAGONAL COFACTOR OF Y COORDINATE

Sz DIAGONAL COFACTOR OF Z COORDINATE

Rxy OFF-DIAGONAL COFACTOR OF X AND Y COORDINATES

Rxz OFF-DIAGONAL COFACTOR OF X AND Z COORDINATES

Ryz OFF-DIAGONAL COFACTOR OF Y AND Z COORDINATES

Sig0 SQUARE ROOT OF VARIANCE FACTOR (meter)

Nobs NUMBER OF OBSERVATIONS

End Field Description COMMENT

END OF HEADER

\*Name Mjd X Y Z Sx Sy Sz Rxy Rxz Ryz Sig0 Nobs

mgrd 60637.7531 -2455585.96841 -4767123.38579 3441723.99898 0.13990598105651E-05 0.11839742762963E-05 0.59494597050400E-06 0.73407876232023E-06 -0.56043887550985E-06 -0.75590508177133E-06 0.25665703489926E+01 4826

barn STATION

Static 10.000000 10.000000 10.000000 POS MODE/PRIORI (meter)

YES OBS STRICT EDITING

2024 11 23 18 30 0.00 OBS FIRST EPOCH

2024 11 23 23 59 30.00 OBS LAST EPOCH

30.00 OBS INTERVAL (sec)

7.00 OBS MASK ANGLE (deg)

0.30 MEASUREMENT NOISE PSEUDORANGE (1-SIGMA, meter)

0.01 MEASUREMENT NOISE CARRIER PHASE (1-SIGMA, cycle)

WUM0MGXRAP\_20243280000\_01D\_05M\_ORB.SP3 SAT ORBIT

WUM0MGXRAP\_20243280000\_01D\_30S\_CLK.CLK SAT CLOCK

WUM0MGXRAP\_20243280000\_01D\_30S\_ATT.OBX SAT ATTITUDE

WUM0MGXRAP\_20243280000\_01D\_01D\_OSB.BIA SAT BIAS

WUM0MGXRAP\_20243280000\_01D\_01D\_ERP.ERP EARTH ROTATION PARAMETERS

SEPT POLARX5 SITE RECEIVER TYPE

Unknown NONE SITE ANTENNA TYPE

0.0000 0.0000 0.0000 SITE ANTENNA E/N/H (meter)

G L1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

G L2 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

R G1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

R G2 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

E E1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

E E5a 5 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

C B1I 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

C B3I 6 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

J L1 1 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

J L2 2 0.00 0.00 0.00 SITE ANTENNA PCO E/N/H (millimeter)

IGS20\_2335 TABLE ANTEX

WNO RECEIVER CLOCK

STO TROP ZENITH

PWC:720 TROP GRADIENT

NO IONO 2ND

SOLID POLE OCEAN(Scherneck) TIDES

YES GPS 13 GAL 0 BDS2 0 BDS3 7 QZSS 0 AMB FIXING

600.00 AMB DURATION (sec)

15.00 AMB CUTOFF (deg)

0.20 0.15 1000.00 AMB WIDELANE

0.15 0.15 1000.00 AMB NARROWLANE

3 4 1.80 3.00 AMB SEARCH

DEFAULT AMB AT DAY-BOUNDARY

Start Field Description COMMENT

Name STATION NAME

Mjd MODIFIED JULIAN DAY

X X COORDINATE (meter)

Y Y COORDINATE (meter)

Z Z COORDINATE (meter)

Sx DIAGONAL COFACTOR OF X COORDINATE

Sy DIAGONAL COFACTOR OF Y COORDINATE

Sz DIAGONAL COFACTOR OF Z COORDINATE

Rxy OFF-DIAGONAL COFACTOR OF X AND Y COORDINATES

Rxz OFF-DIAGONAL COFACTOR OF X AND Z COORDINATES

Ryz OFF-DIAGONAL COFACTOR OF Y AND Z COORDINATES

Sig0 SQUARE ROOT OF VARIANCE FACTOR (meter)

Nobs NUMBER OF OBSERVATIONS

End Field Description COMMENT

END OF HEADER

\*Name Mjd X Y Z Sx Sy Sz Rxy Rxz Ryz Sig0 Nobs

barn 60637.8852 -2455547.68821 -4767144.28336 3441722.00320 0.47081617658169E-07 0.13003943809185E-06 0.69298301792231E-07 0.66185737452882E-07 -0.46923758881824E-07 -0.82827274702576E-07 0.31984136339388E+01 12403