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*Supplement of*

## **Stability analysis of geomagnetic baseline data obtained at Cheongyang observatory in Korea**

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## APPENDIX A

## CYG Observed Baseline Values for Year 2014 to 2016 (before adjustment)

Date	Declination, $D$ (arcmin)	Horizontal, $H$ (nT)	Vertical, $Z$ (nT)
2014-01-06	-458.2	30254.5	39925.4
2014-01-06	-458.2	30255.6	39924.5
2014-01-06	-458.1	30257.7	39922.9
2014-01-06	-458.1	30256.4	39924.1
2014-01-17	-458.0	30254.3	39925.3
2014-01-17	-458.4	30255.2	39924.6
2014-01-17	-458.1	30253.7	39925.8
2014-01-17	-458.4	30253.3	39926.2
2014-02-03	-	30256.1	39924.1
2014-02-03	-458.0	30255.5	39924.6
2014-02-03	-458.0	30256.1	39924.1
2014-02-03	-458.1	30254.6	39925.2
2014-02-17	-458.1	30253.2	39926.5
2014-02-17	-458.0	30252.8	39927.0
2014-02-17	-458.1	30253.8	39926.4
2014-02-17	-458.1	30253.5	39926.7
2014-03-03	-458.1	30254.5	39925.8
2014-03-03	-458.1	30253.8	39926.4
2014-03-03	-458.1	30254.4	39926.0
2014-03-03	-458.1	30253.8	39926.3
2014-03-17	-458.2	30255.6	39925.2
2014-03-17	-458.1	30255.0	39925.6
2014-03-17	-458.0	30255.2	39925.5
2014-03-17	-458.2	30255.4	39925.4
2014-04-02	-458.0	30257.7	39923.5
2014-04-02	-458.0	30258.0	39923.1
2014-04-02	-458.0	30255.7	39924.9
2014-04-02	-458.0	30258.3	39922.8
2014-04-14	-458.1	30258.0	39922.7
2014-04-14	-458.0	30257.9	39922.8
2014-04-14	-458.1	30257.2	39923.1
2014-04-14	-458.0	30257.3	39923.0
2014-04-21	-458.1	30259.7	39921.2
2014-04-21	-458.0	30258.6	39922.0
2014-04-21	-458.0	30257.8	39922.4
2014-04-21	-458.1	30258.1	39922.2
2014-04-28	-458.1	30258.6	39921.9
2014-04-28	-458.1	30258.4	39922.1
2014-04-28	-458.0	30258.4	39922.2
2014-04-28	-458.1	30258.6	39921.9
2014-05-02	-458.2	30257.4	39922.7
2014-05-02	-458.2	30257.4	39922.9
2014-05-02	-458.2	30258.1	39922.3
2014-05-02	-458.1	30258.2	39922.4
2014-05-12	-458.0	30258.9	39922.0
2014-05-12	-458.1	30259.4	39921.6
2014-05-12	-458.0	30259.2	39921.6

2014-05-12	-458.0	30259.5	39921.5
2014-05-19	-458.2	30260.0	39921.2
2014-05-19	-458.1	30259.8	39921.3
2014-05-19	-458.1	30260.1	39920.9
2014-05-19	-458.0	30260.2	39920.8
2014-05-26	-458.0	30260.5	39920.4
2014-05-26	-457.9	30260.7	39920.2
2014-05-26	-457.9	30260.6	39920.3
2014-05-26	-458.0	30261.2	39919.9
2014-06-02	-458.1	30257.9	39922.0
2014-06-02	-458.0	30258.7	39921.3
2014-06-02	-458.1	30258.2	39921.8
2014-06-02	-458.0	30258.0	39922.1
2014-06-10	-458.1	30258.7	39921.3
2014-06-10	-458.2	30258.5	39921.6
2014-06-10	-458.1	30259.0	39921.3
2014-06-10	-458.1	30258.5	39921.5
2014-06-17	-458.0	30258.1	39921.9
2014-06-17	-458.0	30258.3	39921.7
2014-06-17	-458.0	30258.1	39921.8
2014-06-17	-458.0	30258.2	39921.6
2014-07-01	-458.1	30259.7	39920.0
2014-07-01	-458.1	30259.2	39920.5
2014-07-01	-458.1	30259.5	39920.4
2014-07-01	-458.2	30259.4	39920.3
2014-07-07	-458.5	30254.3	39923.8
2014-07-07	-458.5	30254.7	39923.5
2014-07-07	-458.5	30254.8	39923.7
2014-07-07	-458.4	30254.9	39923.5
2014-07-14	-458.6	30255.1	39923.3
2014-07-14	-458.5	30254.1	39924.2
2014-07-14	-458.5	30254.2	39924.1
2014-07-14	-458.5	30254.6	39923.9
2014-07-21	-458.6	30255.7	39922.4
2014-07-21	-458.6	30255.7	39922.5
2014-07-21	-458.6	30255.7	39922.7
2014-07-21	-458.5	30256.4	39922.2
2014-07-28	-458.5	30255.3	39922.8
2014-07-28	-458.6	30254.8	39922.9
2014-07-28	-458.6	30255.2	39922.8
2014-07-28	-458.6	30254.6	39923.1
2014-08-06	-	30256.0	39921.9
2014-08-06	-458.6	30256.0	39921.9
2014-08-06	-458.6	30256.3	39921.6
2014-08-06	-458.6	30255.7	39922.0
2014-08-12	-	30255.2	39922.9
2014-08-12	-	30255.8	39922.6
2014-08-12	-458.6	30256.2	39922.3
2014-08-12	-458.6	30255.8	39922.6
2014-08-22	-	30256.3	39922.1

2014-08-22	-	30256.0	39922.3
2014-08-22	-458.6	30255.5	39922.7
2014-08-22	-458.4	30257.8	39920.9
2014-08-28	-458.6	30255.5	39922.7
2014-08-28	-458.6	30255.3	39922.8
2014-08-28	-458.6	30255.6	39922.8
2014-08-28	-458.6	30255.5	39922.9
2014-09-02	-458.6	30255.6	39922.8
2014-09-02	-458.5	30255.8	39922.7
2014-09-02	-458.4	30255.8	39922.7
2014-09-02	-458.6	30256.1	39922.8
2014-09-04	-	30256.4	39922.7
2014-09-04	-	30257.0	39922.2
2014-09-04	-	30257.1	39922.3
2014-09-04	-	30255.1	39923.7
2014-09-12	-458.2	30258.0	39921.4
2014-09-12	-458.2	30258.5	39921.0
2014-09-12	-458.2	30258.3	39920.9
2014-09-12	-458.1	30257.8	39921.3
2014-09-16	-458.3	30258.3	39920.9
2014-09-16	-458.2	30258.1	39920.9
2014-09-16	-458.2	30258.3	39920.9
2014-09-16	-458.1	30258.2	39921.0
2014-09-22	-458.6	30257.8	39921.4
2014-09-22	-458.3	30257.2	39921.9
2014-09-22	-458.5	30256.8	39922.1
2014-09-22	-458.5	30256.6	39922.2
2014-10-01	-458.5	30257.5	39921.8
2014-10-01	-458.4	30257.4	39922.0
2014-10-01	-458.4	30258.0	39921.5
2014-10-01	-458.2	30257.3	39921.9
2014-10-23	-458.4	30251.9	39927.1
2014-10-23	-458.3	30252.8	39926.4
2014-10-23	-458.3	30252.6	39926.6
2014-10-23	-458.3	30252.4	39926.7
2014-10-24	-458.4	30251.8	39927.2
2014-10-24	-458.2	30252.3	39926.7
2014-10-24	-458.3	30251.6	39927.1
2014-10-24	-458.3	30252.6	39926.5
2014-10-27	-458.4	30252.1	39926.8
2014-10-27	-458.4	30251.8	39927.0
2014-10-27	-458.5	30252.2	39926.7
2014-10-27	-458.4	30251.8	39927.1
2014-10-28	-458.2	30251.5	39927.4
2014-10-28	-458.2	30251.4	39927.5
2014-10-28	-458.2	30251.8	39927.2
2014-10-28	-458.2	30251.4	39927.5
2014-11-07	-458.3	30250.7	39928.3
2014-11-07	-458.2	30250.8	39928.3
2014-11-07	-458.3	30250.7	39928.3

2014-11-07	-458.3	30250.8	39928.0
2014-11-13	-	30248.9	39928.8
2014-11-13	-	30251.1	39927.0
2014-11-13	-	30252.2	39926.2
2014-11-13	-	30249.2	39928.5
2014-11-17	-458.4	30248.8	39929.1
2014-11-17	-458.4	30249.2	39928.7
2014-11-17	-458.3	30249.1	39928.9
2014-11-17	-458.4	30249.9	39928.4
2014-12-03	-	30248.8	39929.1
2014-12-03	-	30247.8	39929.8
2014-12-03	-	30249.0	39928.9
2014-12-03	-	30248.9	39929.0
2014-12-04	-458.5	30248.5	39929.3
2014-12-04	-458.3	30248.1	39929.5
2014-12-04	-458.3	30248.3	39929.3
2014-12-04	-458.4	30248.3	39929.3
2014-12-15	-458.2	30246.7	39930.7
2014-12-15	-458.3	30248.5	39929.4
2014-12-15	-458.3	30248.6	39929.3
2014-12-15	-458.1	30248.5	39929.4
2014-12-16	-	30245.8	39931.4
2014-12-16	-	30246.4	39930.9
2014-12-16	-	30246.1	39931.2
2014-12-16	-	30246.6	39930.7
2014-12-17	-	30245.4	39931.5
2014-12-17	-	30244.9	39931.8
2014-12-17	-	30244.7	39931.9
2014-12-17	-	30245.5	39931.2
2015-01-01	-458.2	30245.3	39931.5
2015-01-01	-458.2	30245.2	39931.6
2015-01-01	-458.3	30244.7	39932.0
2015-01-01	-458.3	30245.4	39931.4
2015-01-07	-458.3	30244.5	39932.6
2015-01-07	-458.2	30245.4	39931.8
2015-01-07	-458.1	30245.1	39932.1
2015-01-07	-458.2	30245.3	39932.0
2015-01-13	-458.2	30245.1	39932.4
2015-01-13	-458.2	30245.6	39932.1
2015-01-13	-458.2	30245.6	39932.2
2015-01-13	-458.2	30245.4	39932.2
2015-01-16	-458.1	30244.6	39932.4
2015-01-16	-458.2	30245.1	39932.1
2015-01-16	-458.1	30244.8	39932.3
2015-01-16	-458.1	30244.6	39932.5
2015-01-30	-458.3	30246.4	39931.3
2015-01-30	-458.2	30245.9	39931.6
2015-01-30	-458.3	30246.1	39931.5
2015-01-30	-458.2	30245.9	39931.7
2015-02-04	-458.3	30245.8	39931.7

2015-02-04	-458.3	30245.8	39931.6
2015-02-04	-458.2	30245.4	39931.9
2015-02-04	-458.1	30246.1	39931.4
2015-02-10	-458.2	30245.3	39932.5
2015-02-10	-458.2	30245.8	39932.1
2015-02-10	-458.1	30245.8	39932.0
2015-02-10	-458.1	30246.1	39931.7
2015-02-16	-	30245.9	39931.9
2015-02-16	-	30246.2	39931.7
2015-02-16	-	30246.2	39931.7
2015-02-16	-	30246.3	39931.7
2015-02-23	-458.3	30245.7	39932.1
2015-02-23	-458.3	30246.1	39931.6
2015-02-23	-458.3	30246.7	39931.2
2015-02-23	-458.3	30245.9	39931.9
2015-03-05	-458.1	30245.8	39931.8
2015-03-05	-458.0	30245.3	39932.2
2015-03-05	-457.9	30245.6	39932.0
2015-03-05	-458.1	30246.0	39931.7
2015-03-13	-458.1	30246.6	39931.6
2015-03-13	-458.1	30246.6	39931.6
2015-03-13	-458.0	30246.1	39932.1
2015-03-13	-458.0	30245.9	39932.2
2015-03-20	-458.2	30249.8	39929.9
2015-03-20	-458.2	30249.2	39930.2
2015-03-20	-458.2	30249.6	39930.0
2015-03-20	-458.3	30249.0	39930.4
2015-03-23	-458.0	30247.6	39930.5
2015-03-23	-458.2	30249.0	39929.4
2015-03-23	-458.3	30248.7	39929.7
2015-03-23	-458.3	30249.7	39928.9
2015-04-03	-458.0	30248.4	39929.7
2015-04-03	-458.0	30247.9	39930.0
2015-04-03	-457.9	30248.7	39929.5
2015-04-03	-457.9	30248.1	39929.9
2015-04-06	-458.4	30249.8	39928.6
2015-04-06	-458.1	30249.7	39928.7
2015-04-06	-458.1	30249.0	39929.1
2015-04-06	-458.0	30249.1	39929.0
2015-04-15	-457.9	30248.4	39929.9
2015-04-15	-458.1	30248.9	39929.4
2015-04-15	-458.2	30249.7	39928.9
2015-04-15	-458.1	30249.8	39928.9
2015-04-24	-458.0	30250.9	39928.0
2015-04-24	-458.0	30251.0	39927.8
2015-04-24	-458.0	30251.1	39927.6
2015-04-24	-458.0	30251.0	39927.7
2015-04-29	-458.2	30250.6	39928.0
2015-04-29	-458.2	30250.3	39928.2
2015-04-29	-458.2	30250.8	39927.8

2015-04-29	-458.2	30251.2	39927.4
2015-05-07	-458.3	30251.2	39927.4
2015-05-07	-458.2	30251.2	39927.2
2015-05-07	-458.1	30251.2	39927.3
2015-05-07	-458.2	30250.9	39927.6
2015-05-14	-458.1	30251.7	39926.8
2015-05-14	-458.1	30251.6	39927.0
2015-05-14	-458.1	30251.4	39927.0
2015-05-14	-458.0	30252.5	39926.5
2015-05-21	-457.7	30250.9	39927.4
2015-05-21	-457.8	30251.2	39927.1
2015-05-21	-457.9	30251.7	39926.7
2015-05-21	-457.8	30251.4	39926.8
2015-05-27	-457.9	30251.9	39926.3
2015-05-27	-458.0	30251.7	39926.3
2015-05-27	-457.9	30251.4	39926.6
2015-05-27	-457.9	30251.5	39926.4
2015-06-04	-458.2	30253.0	39924.6
2015-06-04	-458.2	30253.1	39924.7
2015-06-04	-458.2	30253.2	39924.7
2015-06-04	-458.1	30253.1	39924.7
2015-06-12	-458.0	30260.4	39918.9
2015-06-12	-458.0	30259.8	39919.3
2015-06-12	-458.1	30260.7	39918.6
2015-06-12	-458.1	30260.9	39918.6
2015-06-18	-457.4	30261.0	39918.2
2015-06-18	-457.3	30260.7	39918.4
2015-06-18	-457.3	30260.6	39918.7
2015-06-18	-457.3	30260.6	39918.7
2015-06-25	-457.8	30261.9	39917.6
2015-06-25	-457.8	30261.6	39917.9
2015-06-25	-457.8	30261.6	39917.8
2015-06-25	-457.8	30261.5	39917.9
2015-07-02	-457.4	30260.7	39918.6
2015-07-02	-457.5	30261.6	39917.9
2015-07-02	-457.5	30261.4	39918.1
2015-07-02	-457.5	30261.3	39918.2
2015-07-09	-457.8	30261.0	39918.3
2015-07-09	-457.7	30260.8	39918.4
2015-07-09	-457.7	30261.0	39918.3
2015-07-09	-457.7	30261.2	39918.2
2015-07-16	-458.1	30261.3	39917.8
2015-07-16	-458.1	30261.9	39917.5
2015-07-16	-458.1	30261.9	39917.5
2015-07-16	-458.1	30262.0	39917.3
2015-07-24	-457.3	30261.7	39917.2
2015-07-24	-457.4	30261.6	39917.4
2015-07-24	-457.4	30261.9	39917.1
2015-07-24	-457.3	30262.0	39917.0
2015-07-31	-457.5	30261.6	39917.2

2015-07-31	-457.5	30261.6	39917.3
2015-07-31	-457.5	30260.7	39917.8
2015-07-31	-457.6	30261.4	39917.3
2015-08-06	-457.6	30261.2	39916.9
2015-08-06	-457.4	30261.5	39916.6
2015-08-06	-457.4	30261.4	39916.8
2015-08-06	-457.3	30262.0	39916.3
2015-08-13	-457.5	30261.0	39917.4
2015-08-13	-457.6	30261.9	39916.7
2015-08-13	-457.5	30261.4	39917.0
2015-08-13	-457.3	30261.4	39917.0
2015-08-20	-457.9	30262.4	39916.2
2015-08-20	-457.9	30262.0	39916.5
2015-08-20	-457.8	30261.7	39916.6
2015-08-20	-457.8	30261.9	39916.4
2015-08-27	-458.1	30262.1	39917.0
2015-08-27	-458.1	30262.0	39917.3
2015-08-27	-458.1	30262.0	39917.2
2015-08-27	-458.1	30261.6	39917.5
2015-09-03	-458.2	30261.8	39916.8
2015-09-03	-458.2	30261.8	39916.8
2015-09-03	-458.2	30261.7	39916.9
2015-09-03	-458.2	30262.0	39916.7
2015-09-10	-458.1	30261.5	39917.3
2015-09-10	-458.0	30261.2	39917.7
2015-09-10	-458.1	30261.4	39917.3
2015-09-10	-458.2	30261.4	39917.2
2015-09-17	-457.9	30260.6	39918.3
2015-09-17	-457.8	30260.2	39918.6
2015-09-17	-457.9	30260.7	39918.2
2015-09-17	-457.7	30260.3	39918.3
2015-09-24	-458.2	30260.6	39917.8
2015-09-24	-458.3	30260.3	39918.1
2015-09-24	-458.2	30260.7	39917.9
2015-09-24	-458.3	30260.5	39918.0
2015-10-01	-457.9	30260.1	39918.5
2015-10-01	-457.9	30260.1	39918.5
2015-10-01	-458.1	30260.7	39918.2
2015-10-01	-458.0	30260.4	39918.3
2015-10-08	-457.9	30259.9	39919.4
2015-10-08	-457.9	30260.1	39919.2
2015-10-08	-457.9	30259.8	39919.5
2015-10-08	-458.2	30259.8	39919.6
2015-10-08	-458.1	30259.0	39920.2
2015-10-15	-457.4	30258.9	39920.1
2015-10-15	-457.4	30259.2	39919.9
2015-10-15	-457.3	30259.1	39920.0
2015-10-15	-	30258.7	39920.1
2015-10-22	-	-	-
2015-10-22	-	-	-



2015-10-22	-	-	-
2015-10-22	-	-	-
2015-10-28	-	30258.5	39920.5
2015-10-28	-457.4	30259.2	39919.9
2015-10-28	-457.3	30258.2	39920.9
2015-10-28	-457.3	30258.9	39920.3
2015-11-02	-457.5	30256.9	39922.1
2015-11-02	-457.6	30257.2	39922.0
2015-11-02	-457.3	30257.0	39922.1
2015-11-02	-457.4	30257.0	39922.1
2015-11-11	-457.9	30256.7	39922.4
2015-11-11	-458.0	30257.0	39922.1
2015-11-11	-457.9	30257.2	39922.0
2015-11-11	-458.0	30257.6	39921.6
2015-11-18	-457.5	30256.7	39922.4
2015-11-18	-457.5	30256.8	39922.3
2015-11-18	-457.5	30257.1	39922.0
2015-11-18	-457.5	30257.1	39922.0
2015-11-24	-457.5	30256.3	39922.8
2015-11-24	-457.4	30256.1	39922.9
2015-11-24	-457.4	30256.3	39922.8
2015-11-24	-457.4	30255.6	39923.4
2015-12-01	-457.4	30254.7	39923.9
2015-12-01	-457.3	30254.7	39923.9
2015-12-01	-457.3	30255.5	39923.3
2015-12-01	-457.3	30255.0	39923.7
2015-12-07	-457.5	30253.5	39925.4
2015-12-07	-457.5	30253.7	39925.0
2015-12-07	-457.5	30253.5	39925.1
2015-12-07	-457.5	30253.9	39924.8
2015-12-14	-457.6	30253.7	39925.0
2015-12-14	-457.7	30254.1	39924.7
2015-12-14	-457.7	30253.6	39925.2
2015-12-14	-457.7	30253.5	39925.3
2015-12-22	-458.1	30252.9	39925.8
2015-12-22	-458.0	30253.8	39925.0
2015-12-22	-458.1	30252.8	39925.9
2015-12-22	-458.0	30253.1	39925.6
2016-01-04	-457.8	30253.1	39925.7
2016-01-04	-457.7	30253.1	39925.7
2016-01-04	-457.7	30253.0	39925.7
2016-01-04	-457.7	30252.9	39925.7
2016-01-11	-457.7	30251.1	39926.9
2016-01-11	-457.8	30251.1	39926.8
2016-01-11	-457.9	30251.4	39926.6
2016-01-11	-457.7	30251.7	39926.4
2016-01-18	-457.2	30250.9	39926.8
2016-01-18	-457.1	30251.3	39926.5
2016-01-18	-457.0	30251.6	39926.4
2016-01-18	-457.1	30251.1	39926.8

2016-01-26	-457.3	30249.8	39927.2
2016-01-26	-457.3	30249.6	39927.2
2016-01-26	-457.3	30249.8	39927.2
2016-01-26	-457.2	-	39927.8
2016-02-01	-457.8	30251.1	39926.4
2016-02-01	-457.7	30250.8	39926.6
2016-02-01	-457.8	30250.3	39927.0
2016-02-01	-457.8	30249.8	39927.3
2016-02-11	-457.6	30251.6	39926.5
2016-02-11	-457.8	30250.9	39927.1
2016-02-11	-457.8	30250.9	39927.1
2016-02-11	-457.8	30251.1	39927.1
2016-02-15	-457.7	30250.4	39926.8
2016-02-15	-457.6	30250.9	39926.5
2016-02-15	-458.0	30251.1	39926.4
2016-02-15	-457.7	30251.2	39926.3
2016-02-26	-457.8	30251.8	39926.1
2016-02-26	-457.9	30251.1	39926.6
2016-02-26	-457.8	30251.1	39926.7
2016-02-26	-457.8	30251.2	39926.7
2016-03-03	-457.7	30251.6	39926.3
2016-03-03	-457.8	30251.3	39926.5
2016-03-03	-457.8	30252.0	39926.1
2016-03-03	-457.8	30251.2	39926.7
2016-03-09	-457.9	30251.9	39925.8
2016-03-09	-457.8	30252.2	39925.6
2016-03-09	-457.7	30252.5	39925.5
2016-03-09	-457.5	30252.3	39925.8
2016-03-14	-457.5	30251.7	39926.2
2016-03-14	-457.6	30252.4	39925.7
2016-03-14	-457.6	30252.4	39925.7
2016-03-14	-457.5	30252.1	39925.9
2016-03-25	-457.5	30253.8	39924.2
2016-03-25	-457.5	30253.7	39924.3
2016-03-25	-457.6	30253.7	39924.4
2016-03-25	-457.6	30253.6	39924.6
2016-04-01	-457.4	30255.6	39923.3
2016-04-01	-457.2	30255.2	39923.6
2016-04-01	-457.3	30254.7	39923.8
2016-04-01	-457.2	30254.9	39923.7
2016-04-07	-457.1	30255.4	39922.6
2016-04-07	-457.2	30255.5	39922.7
2016-04-07	-457.0	30255.8	39922.5
2016-04-07	-457.1	30255.7	39922.5
2016-04-14	-457.1	30256.8	39921.3
2016-04-14	-457.0	30256.3	39921.6
2016-04-14	-457.2	30256.5	39921.5
2016-04-14	-457.1	30256.7	39921.4
2016-04-22	-457.1	30256.8	39921.1
2016-04-22	-457.0	30256.6	39921.1

2016-04-22	-456.9	30256.4	39921.3
2016-04-22	-456.9	30256.3	39921.4
2016-04-26	-457.8	-	-
2016-04-26	-457.7	-	-
2016-04-26	-457.8	-	-
2016-04-26	-457.8	-	-
2016-05-04	-457.5	30258.1	39919.6
2016-05-04	-457.5	30257.7	39920.0
2016-05-04	-457.5	30257.9	39920.0
2016-05-04	-457.5	30258.0	39920.0
2016-05-11	-457.5	30258.0	39919.7
2016-05-11	-457.5	30257.9	39919.8
2016-05-11	-457.5	30257.7	39919.9
2016-05-11	-457.5	30257.6	39919.9
2016-05-21	-457.4	30257.9	39919.2
2016-05-21	-457.4	30259.0	39918.3
2016-05-21	-457.4	30258.5	39918.8
2016-05-21	-457.4	30258.2	39919.0
2016-05-25	-457.4	30258.2	39918.9
2016-05-25	-457.4	30258.7	39918.5
2016-05-25	-457.5	30258.8	39918.6
2016-05-25	-457.4	30259.1	39918.3
2016-05-31	-457.2	30259.2	39918.0
2016-05-31	-457.2	30259.2	39918.2
2016-05-31	-457.3	30259.0	39918.5
2016-05-31	-457.2	30259.2	39918.3
2016-06-08	-457.6	30259.8	39917.5
2016-06-08	-457.7	30260.0	39917.5
2016-06-08	-457.6	30258.8	39918.3
2016-06-08	-457.6	30259.9	39917.5
2016-06-16	-457.4	30259.5	39917.5
2016-06-16	-457.3	30259.8	39917.4
2016-06-16	-457.3	30259.3	39917.8
2016-06-16	-457.4	30260.0	39917.1
2016-06-23	-457.4	30260.5	39916.3
2016-06-23	-457.1	30260.0	39916.8
2016-06-23	-457.1	30259.9	39916.8
2016-06-23	-457.0	30260.4	39916.3
2016-06-29	-457.5	30260.1	39916.7
2016-06-29	-457.6	30260.0	39916.8
2016-06-29	-457.7	30260.4	39916.4
2016-06-29	-457.7	30259.9	39916.8
2016-07-08	-457.2	30260.8	39916.1
2016-07-08	-457.2	30260.8	39916.1
2016-07-08	-457.2	30261.0	39916.0
2016-07-08	-457.3	30261.1	39915.9
2016-07-14	-457.3	30261.7	39915.0
2016-07-14	-457.2	30260.8	39915.7
2016-07-14	-457.3	30261.4	39915.3
2016-07-14	-457.2	30261.1	39915.7

2016-07-21	-457.8	30260.9	39915.5
2016-07-21	-457.8	30260.8	39915.5
2016-07-21	-457.7	30261.0	39915.4
2016-07-21	-457.8	30260.9	39915.7
2016-07-28	-457.9	30261.2	39914.1
2016-07-28	-457.8	30261.0	39914.3
2016-07-28	-457.8	30261.0	39914.5
2016-07-28	-457.8	30261.0	39914.4
2016-08-08	-457.9	30261.6	39913.6
2016-08-08	-457.8	30261.6	39913.7
2016-08-08	-457.8	30261.3	39913.8
2016-08-08	-457.7	30261.5	39913.6
2016-08-12	-457.8	30261.6	39913.7
2016-08-12	-457.7	30261.8	39913.4
2016-08-12	-457.8	30262.0	39913.1
2016-08-12	-457.8	30261.5	39913.5
2016-08-18	-	-	-
2016-08-18	-	-	-
2016-08-18	-	-	-
2016-08-18	-	-	-
2016-08-26	-457.8	30261.6	39913.0
2016-08-26	-457.7	30261.9	39913.0
2016-08-26	-457.9	30261.8	39913.1
2016-08-26	-457.8	30261.6	39913.0
2016-09-01	-457.7	30260.8	39914.8
2016-09-01	-457.6	30260.7	39914.9
2016-09-01	-457.3	30260.2	39915.3
2016-09-01	-457.2	30260.5	39915.0
2016-09-07	-457.4	30260.5	39914.7
2016-09-07	-457.4	30260.7	39914.6
2016-09-07	-457.5	30260.5	39914.7
2016-09-07	-457.3	30260.1	39914.9
2016-09-12	-457.7	30260.3	39914.8
2016-09-12	-457.7	30260.3	39914.8
2016-09-12	-457.7	30260.4	39914.6
2016-09-12	-457.7	30260.9	39914.3
2016-09-19	-457.7	30259.8	39915.3
2016-09-19	-457.4	30260.2	39915.2
2016-09-19	-457.5	30259.9	39915.1
2016-09-19	-457.5	30259.9	39915.3
2016-09-26	-458.0	30260.4	39915.0
2016-09-26	-457.9	30259.8	39915.4
2016-09-26	-457.9	30259.6	39915.6
2016-09-26	-457.9	30260.2	39915.1
2016-10-06	-457.8	30259.6	39915.8
2016-10-06	-457.7	30259.9	39915.5
2016-10-06	-457.8	30259.9	39915.5
2016-10-06	-457.7	30259.6	39915.8
2016-10-13	-457.9	30258.7	39916.9
2016-10-13	-457.8	30258.9	39916.9

2016-10-13	-457.8	30258.2	39917.4
2016-10-13	-457.8	30258.8	39917.0
2016-10-21	-457.6	30258.2	39917.4
2016-10-21	-457.5	30258.2	39917.4
2016-10-21	-457.3	30258.1	39917.4
2016-10-21	-457.6	30257.4	39917.8
2016-10-27	-457.7	30257.9	39918.2
2016-10-27	-457.7	30257.8	39918.2
2016-10-27	-457.7	30257.8	39918.3
2016-10-27	-457.7	30257.6	39918.4
2016-11-03	-457.8	30256.7	39919.7
2016-11-03	-457.7	30256.6	39919.7
2016-11-03	-457.7	30256.9	39919.5
2016-11-03	-457.7	30256.7	39919.6
2016-11-10	-457.8	30255.0	39920.7
2016-11-10	-458.0	30255.8	39920.2
2016-11-10	-458.0	30255.2	39920.6
2016-11-10	-457.9	30255.7	39920.4
2016-11-17	-457.8	30256.1	39920.4
2016-11-17	-457.5	30255.9	39920.7
2016-11-17	-457.6	30255.7	39920.8
2016-11-17	-457.5	30256.2	39920.4
2016-11-23	-458.0	30255.1	39921.1
2016-11-23	-458.1	30254.9	39921.2
2016-11-23	-458.0	30255.1	39921.1
2016-11-23	-458.0	30254.6	39921.5
2016-11-28	-457.6	30254.7	39921.6
2016-11-28	-457.5	30254.8	39921.6
2016-11-28	-457.4	30254.3	39922.1
2016-11-28	-457.6	30254.7	39921.9
2016-12-01	-457.4	30253.9	39922.1
2016-12-01	-457.4	30254.7	39921.5
2016-12-01	-457.4	30253.9	39922.1
2016-12-01	-457.4	30254.2	39921.9
2016-12-09	-457.7	30253.7	39922.6
2016-12-09	-457.8	30253.7	39922.5
2016-12-09	-457.7	30253.7	39922.5
2016-12-09	-457.7	30253.6	39922.7
2016-12-14	-457.6	30253.3	39922.7
2016-12-14	-457.8	30253.1	39922.9
2016-12-14	-457.7	30252.6	39923.4
2016-12-14	-457.8	30252.8	39923.3
2016-12-19	-457.5	30253.3	39923.2
2016-12-19	-457.4	30253.1	39923.3
2016-12-19	-457.6	30253.2	39923.2
2016-12-19	-457.4	30252.8	39923.7

**APPENDIX B**

**CYG Observed Baseline Values for Year 2014 to 2016 (after adjustment)**

Date	Declination, <i>D</i> (arcmin)	Horizontal, <i>H</i> (nT)	Vertical, <i>Z</i> (nT)
2014-01-06	-458.2	30254.5	39925.4
2014-01-06	-458.2	30255.6	39924.5
2014-01-06	-458.1	30257.7	39922.9
2014-01-06	-458.1	30256.4	39924.1
2014-01-17	-458.0	30254.3	39925.3
2014-01-17	-458.4	30255.2	39924.6
2014-01-17	-458.1	30253.7	39925.8
2014-01-17	-458.4	30253.3	39926.2
2014-02-03	-	30256.1	39924.1
2014-02-03	-458.0	30255.5	39924.6
2014-02-03	-458.0	30256.1	39924.1
2014-02-03	-458.1	30254.6	39925.2
2014-02-17	-458.1	30253.2	39926.5
2014-02-17	-458.0	30252.8	39927.0
2014-02-17	-458.1	30253.8	39926.4
2014-02-17	-458.1	30253.5	39926.7
2014-03-03	-458.1	30254.5	39925.8
2014-03-03	-458.1	30253.8	39926.4
2014-03-03	-458.1	30254.4	39926.0
2014-03-03	-458.1	30253.8	39926.3
2014-03-17	-458.2	30255.6	39925.2
2014-03-17	-458.1	30255.0	39925.6
2014-03-17	-458.0	30255.2	39925.5
2014-03-17	-458.2	30255.4	39925.4
2014-04-02	-458.0	30257.7	39923.5
2014-04-02	-458.0	30258.0	39923.1
2014-04-02	-458.0	30255.7	39924.9
2014-04-02	-458.0	30258.3	39922.8
2014-04-14	-458.1	30258.0	39922.7
2014-04-14	-458.0	30257.9	39922.8
2014-04-14	-458.1	30257.2	39923.1
2014-04-14	-458.0	30257.3	39923.0
2014-04-21	-458.1	30259.7	39921.2
2014-04-21	-458.0	30258.6	39922.0
2014-04-21	-458.0	30257.8	39922.4
2014-04-21	-458.1	30258.1	39922.2
2014-04-28	-458.1	30258.6	39921.9
2014-04-28	-458.1	30258.4	39922.1
2014-04-28	-458.0	30258.4	39922.2
2014-04-28	-458.1	30258.6	39921.9
2014-05-02	-458.2	30257.4	39922.7
2014-05-02	-458.2	30257.4	39922.9
2014-05-02	-458.2	30258.1	39922.3
2014-05-02	-458.1	30258.2	39922.4

2014-05-12	-458.0	30258.9	39922.0
2014-05-12	-458.1	30259.4	39921.6
2014-05-12	-458.0	30259.2	39921.6
2014-05-12	-458.0	30259.5	39921.5
2014-05-19	-458.2	30260.0	39921.2
2014-05-19	-458.1	30259.8	39921.3
2014-05-19	-458.1	30260.1	39920.9
2014-05-19	-458.0	30260.2	39920.8
2014-05-26	-458.0	30260.5	39920.4
2014-05-26	-457.9	30260.7	39920.2
2014-05-26	-457.9	30260.6	39920.3
2014-05-26	-458.0	30261.2	39919.9
2014-06-02	-458.1	30257.9	39922.0
2014-06-02	-458.0	30258.7	39921.3
2014-06-02	-458.1	30258.2	39921.8
2014-06-02	-458.0	30258.0	39922.1
2014-06-10	-458.1	30258.7	39921.3
2014-06-10	-458.2	30258.5	39921.6
2014-06-10	-458.1	30259.0	39921.3
2014-06-10	-458.1	30258.5	39921.5
2014-06-17	-458.0	30258.1	39921.9
2014-06-17	-458.0	30258.3	39921.7
2014-06-17	-458.0	30258.1	39921.8
2014-06-17	-458.0	30258.2	39921.6
2014-07-01	-458.1	30259.7	39920.0
2014-07-01	-458.1	30259.2	39920.5
2014-07-01	-458.1	30259.5	39920.4
2014-07-01	-458.2	30259.4	39920.3
2014-07-07	-458.2	30259.1	39920.5
2014-07-07	-458.2	30259.5	39920.2
2014-07-07	-458.2	30259.6	39920.4
2014-07-07	-458.1	30259.7	39920.2
2014-07-14	-458.3	30259.9	39920.0
2014-07-14	-458.2	30258.9	39920.9
2014-07-14	-458.2	30259.0	39920.8
2014-07-14	-458.2	30259.4	39920.6
2014-07-21	-458.3	30260.5	39919.1
2014-07-21	-458.3	30260.5	39919.2
2014-07-21	-458.3	30260.5	39919.4
2014-07-21	-458.2	30261.2	39918.9
2014-07-28	-458.2	30260.1	39919.5
2014-07-28	-458.3	30259.6	39919.6
2014-07-28	-458.3	30260.0	39919.5
2014-07-28	-458.3	30259.4	39919.8
2014-08-06	-	30260.8	39918.6
2014-08-06	-458.3	30260.8	39918.6
2014-08-06	-458.3	30261.1	39918.3

2014-08-06	-458.3	30260.5	39918.7
2014-08-12	-	30260.0	39919.6
2014-08-12	-	30260.6	39919.3
2014-08-12	-458.3	30261.0	39919.0
2014-08-12	-	30260.6	39919.3
2014-08-22	-	30261.1	39918.8
2014-08-22	-	30260.8	39919.0
2014-08-22	-458.3	30260.3	39919.4
2014-08-22	-458.1	30262.6	39917.6
2014-08-28	-458.3	30260.3	39919.4
2014-08-28	-458.3	30260.1	39919.5
2014-08-28	-458.3	30260.4	39919.5
2014-08-28	-458.3	30260.3	39919.6
2014-09-02	-458.3	30260.4	39919.5
2014-09-02	-458.2	30260.6	39919.4
2014-09-02	-458.1	30260.6	39919.4
2014-09-02	-458.3	30260.9	39919.5
2014-09-04	-	30261.2	39919.4
2014-09-04	-	30261.8	39918.9
2014-09-04	-	30261.9	39919.0
2014-09-04	-	30259.9	39920.4
2014-09-12	-457.9	30262.8	39918.1
2014-09-12	-457.9	30263.3	39917.7
2014-09-12	-457.9	30263.1	39917.6
2014-09-12	-457.8	30262.6	39918.0
2014-09-16	-458.0	30263.1	39917.6
2014-09-16	-457.9	30262.9	39917.6
2014-09-16	-457.9	30263.1	39917.6
2014-09-16	-457.8	30263.0	39917.7
2014-09-22	-458.3	30262.6	39918.1
2014-09-22	-458.0	30262.0	39918.6
2014-09-22	-458.2	30261.6	39918.8
2014-09-22	-458.2	30261.4	39918.9
2014-10-01	-458.2	30262.3	39918.5
2014-10-01	-458.1	30262.2	39918.7
2014-10-01	-458.1	30262.8	39918.2
2014-10-01	-457.9	30262.1	39918.6
2014-10-23	-458.1	30260.5	39921.3
2014-10-23	-458.0	30261.4	39920.6
2014-10-23	-458.0	30261.2	39920.8
2014-10-23	-458.0	30261.0	39920.9
2014-10-24	-458.1	30260.4	39921.4
2014-10-24	-457.9	30260.9	39920.9
2014-10-24	-458.0	30260.2	39921.3
2014-10-24	-458.0	30261.2	39920.7
2014-10-27	-458.1	30260.7	39921.0
2014-10-27	-458.1	30260.4	39921.2



2014-10-27	-458.2	30260.8	39920.9
2014-10-27	-458.1	30260.4	39921.3
2014-10-28	-457.9	30260.1	39921.6
2014-10-28	-457.9	30260.0	39921.7
2014-10-28	-457.9	30260.4	39921.4
2014-10-28	-457.9	30260.0	39921.7
2014-11-07	-458.0	30259.3	39922.5
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2016-08-26	-457.8	30261.6	39913.0
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2016-09-01	-457.6	30260.7	39914.9
2016-09-01	-457.3	30260.2	39915.3
2016-09-01	-457.2	30260.5	39915.0
2016-09-07	-457.4	30260.5	39914.7
2016-09-07	-457.4	30260.7	39914.6
2016-09-07	-457.5	30260.5	39914.7
2016-09-07	-457.3	30260.1	39914.9
2016-09-12	-457.7	30260.3	39914.8
2016-09-12	-457.7	30260.3	39914.8
2016-09-12	-457.7	30260.4	39914.6
2016-09-12	-457.7	30260.9	39914.3
2016-09-19	-457.7	30259.8	39915.3
2016-09-19	-457.4	30260.2	39915.2
2016-09-19	-457.5	30259.9	39915.1
2016-09-19	-457.5	30259.9	39915.3
2016-09-26	-458.0	30260.4	39915.0
2016-09-26	-457.9	30259.8	39915.4
2016-09-26	-457.9	30259.6	39915.6
2016-09-26	-457.9	30260.2	39915.1
2016-10-06	-457.8	30259.6	39915.8
2016-10-06	-457.7	30259.9	39915.5
2016-10-06	-457.8	30259.9	39915.5
2016-10-06	-457.7	30259.6	39915.8
2016-10-13	-457.9	30258.7	39916.9
2016-10-13	-457.8	30258.9	39916.9
2016-10-13	-457.8	30258.2	39917.4
2016-10-13	-457.8	30258.8	39917.0
2016-10-21	-457.6	30258.2	39917.4
2016-10-21	-457.5	30258.2	39917.4
2016-10-21	-457.3	30258.1	39917.4
2016-10-21	-457.6	30257.4	39917.8
2016-10-27	-457.7	30257.9	39918.2
2016-10-27	-457.7	30257.8	39918.2
2016-10-27	-457.7	30257.8	39918.3
2016-10-27	-457.7	30257.6	39918.4
2016-11-03	-457.8	30256.7	39919.7
2016-11-03	-457.7	30256.6	39919.7
2016-11-03	-457.7	30256.9	39919.5
2016-11-03	-457.7	30256.7	39919.6

2016-11-10	-457.8	30255.0	39920.7
2016-11-10	-458.0	30255.8	39920.2
2016-11-10	-458.0	30255.2	39920.6
2016-11-10	-457.9	30255.7	39920.4
2016-11-17	-457.8	30256.1	39920.4
2016-11-17	-457.5	30255.9	39920.7
2016-11-17	-457.6	30255.7	39920.8
2016-11-17	-457.5	30256.2	39920.4
2016-11-23	-458.0	30255.1	39921.1
2016-11-23	-458.1	30254.9	39921.2
2016-11-23	-458.0	30255.1	39921.1
2016-11-23	-458.0	30254.6	39921.5
2016-11-28	-457.6	30254.7	39921.6
2016-11-28	-457.5	30254.8	39921.6
2016-11-28	-457.4	30254.3	39922.1
2016-11-28	-457.6	30254.7	39921.9
2016-12-01	-457.4	30253.9	39922.1
2016-12-01	-457.4	30254.7	39921.5
2016-12-01	-457.4	30253.9	39922.1
2016-12-01	-457.4	30254.2	39921.9
2016-12-09	-457.7	30253.7	39922.6
2016-12-09	-457.8	30253.7	39922.5
2016-12-09	-457.7	30253.7	39922.5
2016-12-09	-457.7	30253.6	39922.7
2016-12-14	-457.6	30253.3	39922.7
2016-12-14	-457.8	30253.1	39922.9
2016-12-14	-457.7	30252.6	39923.4
2016-12-14	-457.8	30252.8	39923.3
2016-12-19	-457.5	30253.3	39923.2
2016-12-19	-457.4	30253.1	39923.3
2016-12-19	-457.6	30253.2	39923.2
2016-12-19	-457.4	30252.8	39923.7