,,	10 58 13.4	77 47 50	8 24 53	19 05 03	R	10	,,	,,	77 33 42.4	10 46 21.5	1 08.5	,,
,,	10 55 20.3	77 17 51	8 23 25	18 50 59	P	10	,,	,,	77 34 33.6	10 48 15.5	1 21.6	,,
,,	10 58 28.8	77 18 59.6	8 16 44	18 31 14	H	10	,,	,,	77 35 57.6	10 51 21.2	1 24.2	,,
,,	10 58 35.1	77 19 02	8 16 27	18 30 28	P	10	,,	,,	77 36 01.4	10 51 29.5	1 22.4	,,
,,	11 01 50.8	77 20 21	8 11 25	18 10 02	H	10	,,	,,	77 37 36	10 54 58.7	1 08.8	,,
,,	11 08 06.8	77 20 37	8 09 29	18 13 51	P	10	,,	,,	77 37 49.6	10 55 28.1	1 55.5	,,
,,	11 05 43.8	77 21 42	8 05 08	17 52 07	R	10	,,	,,	77 39 09.6	10 58 24 5	1 35.8	,,
,,	11 06 39.8	77 21 51	8 03 23	17 39 52	P	10	,,	,,	77 39 31	10 59 12.3	1 44.3	,,
,,	11 08 40.6	77 22 48.5	8 00 18	17 26 48	R	10	,,	,,	77 40 36.8	11 01 36.5	1 20.6	,,
,,	11 11 07.4	77 23 38	7 56 44	17 11 13	P	10	,,	,,	77 41 42.4	11 04 02.4	1 21.8	,,
,,	11 12 42.3	77 24 12	7 54 40	17 00 46	H	10	,,	,,	77 42 24 5	11 05 35.4	1 23.6	,,
,,	11 14 21.2	77 24 44	7 52 14	16 56 17	P	10	,,	,,	77 43 01.6	11 06 57 3	1 41.7	,,
,,	11 15 21.9	77 25 10	7 48 28	16 42 57	H	10	,,	,,	77 43 37	11 08 15.5	1 23.1	,,
,,	11 18 55.6	77 26 28.5	7 43 27	16 20 08	R	10	,,	,,	77 45 18.6	11 12 00	1 12	,,
,,	11 19 05.9	77 26 40	7 42 50	16 18 37	P	10	,,	,,	77 45 28.6	11 12 21.8	1 00.9	,,
,,	11 21 54.8	77 27 30	7 36 22	16 00 56	R	10	,,	,,	77 46 30.1	11 14 36 5	1 34.7	,,
,,	11 22 13	77 27 50	7 35 22	15 58 50	P	10	,,	,,	77 46 54	11 15 30.4	0 59.4	,,
,,	11 26 30.3	77 29 20	7 25 15	15 31 46	H	10	,,	,,	77 48 45.8	11 19 37.4	1 09 6	,,

Total, 218 Sets of Observations, containing 2187 Lunar Distances

No 259. 38' 67 fast of Mean Greenwich Time, July 18. 1821.

TABLE II

LUNAR OBSERVATIONS

FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION,

DURING THE WINTER OF 1821–22.

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION,

during the Winter of 1821—22.

DATE.	Time by 259.	Apparent Time.	Observed Distance of Limbs.	Apparent Altitude.		Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
				Moon's centre	Sun's centre, or Star.								
Oct. 19	° ′ ″ 28 08 19.5	° ′ ″ 22 46 36	° ′ ″ 58 07 08.5	′ ″ 30 22.3	′ ″ 12 18.3	R	11	29 60	° 0	° ′ ″ 58 43 57	° ′ ″ 28 20 27.5	° ′ ″ 83 27 52.5	⊙ from ☾ East
,,	28 08 34.3	22 46 50.9	58 08 00	30 20.2	12 18.8	P	10	,,	,,	58 44 50	28 18 35	82 56 01.5	,,
,,	28 12 26.4	22 50 43	58 06 26.7	30 03.7	12 25.8	P	10	,,	,,	58 42 59	28 22 30.5	82 56 52.5	,,
,,	28 12 26.8	22 50 43.3	58 05 36.9	30 03.7	12 25.8	R	10	,,	,,	58 42 07.2	28 24 21	83 24 25.7	,,
,,	28 18 26.6	22 56 43.3	58 04 09	29 37.5	12 35.9	P	10	,,	,,	58 40 14	28 28 20.3	82 54 15	,,
,,	28 18 26.7	22 56 43.3	58 03 27.4	29 37.5	12 35.9	H	10	,,	,,	58 39 39	28 29 35.5	83 13 03	,,
,,	28 22 06.7	23 00 23.4	58 01 51	29 21.1	12 41.9	H	10	,,	,,	58 37 46.2	28 33 34.9	83 17 52.5	,,
,,	28 22 06.8	23 00 23.5	58 02 37	29 21.1	12 41.9	P	10	,,	,,	58 38 25.2	28 32 11	82 56 52.5	,,
,,	28 29 01.8	23 07 18.5	57 59 00.7	28 50	12 51.6	H	10	,,	,,	58 34 25.4	28 40 40.9	83 20 36	,,
,,	28 29 01.8	23 07 18.5	57 59 06	28 50.1	12 51.6	R	10	,,	,,	58 34 29.8	28 40 33	83 18 37.5	,,
,,	28 33 00.1	23 11 16.9	57 57 35.7	28 32	12 56.6	R	10	,,	,,	58 32 40	28 44 25	83 17 02	,,
,,	28 33 00.1	23 11 16.9	57 57 38.3	28 32	12 56.6	H	10	,,	,,	58 32 46.8	28 44 10.6	83 13 25.5	,,
,,	28 40 19.2	23 18 35.9	57 55 13	27 57.1	13 04.7	P	10	,,	,,	58 29 46.4	28 50 33	82 59 16.5	,,
,,	28 40 19.6	23 18 36.4	57 54 32.5	27 57.1	13 04.7	R	10	,,	,,	58 29 06	28 52 18	83 24 39	,,
,,	28 43 58.2	23 22 14.9	57 53 47	27 39	13 08.1	P	10	,,	,,	58 28 08	28 54 01.5	82 56 39	,,
,,	28 43 58.4	23 22 15.2	57 53 13.7	27 39.1	13 08.1	R	10	,,	,,	58 27 33	28 55 17	83 15 27.6	,,
,,	28 49 41.3	23 27 58.1	57 50 47	27 11.2	13 13.5	H	10	,,	,,	58 24 50.4	29 01 02.1	83 16 00	,,
,,	28 49 41.8	23 27 58.6	57 51 20	27 11.2	13 13.5	P	10	,,	,,	58 25 18.4	29 00 01.5	83 00 43.5	,,
,,	28 53 10.5	23 31 27.4	57 49 09.2	26 54.6	13 17	H	10	,,	,,	58 23 00.7	29 04 55.2	83 21 57	,,
,,	28 53 11.2	23 31 28	57 50 02	26 54.5	13 16.9	P	10	,,	,,	58 23 46.6	29 03 16	82 57 00	,,
,,	28 59 07.9	23 37 24.7	57 47 20.7	26 25.4	13 21.1	R	10	,,	,,	58 20 44.8	29 09 55.5	83 07 42	,,
,,	28 59 07.9	23 37 24.9	57 46 50.5	26 25.4	13 21.1	H	10	,,	,,	58 20 19.5	29 10 38	83 18 16.5	,,
,,	29 02 56.1	23 41 13.2	57 45 08.8	26 06.5	13 22.9	H	10	,,	,,	58 18 24.5	29 14 42.6	83 22 21	,,
,,	29 02 56.1	23 41 12.9	57 45 30.4	26 06.6	13 22.9	R	10	,,	,,	58 18 40.4	29 14 19.4	83 16 39	,,
,,	29 08 38.7	23 46 55.6	57 43 04.9	25 37.8	13 25.2	R	10	,,	,,	58 15 56.8	29 19 59.5	83 15 58.5	,,
,,	29 08 38.9	23 46 55.8	57 43 40	25 37.8	13 25.3	P	10	,,	,,	58 16 30.6	29 18 42.5	82 56 40.5	,,

,,	29 11 36	23 49 52.9	57 41 34	25 22.4	13 26.3	R	10	,,	,,	58 14 14	29 23 34.3	83 25 24	,,
,,	29 11 36.5	23 49 53.4	57 42 10	25 22.5	13 26.3	P	10	,,	,,	58 14 52	29 22 11.8	83 04 21	,,
,,	29 17 03.6	23 55 20.8	57 39 22.9	24 53.2	13 27.1	H	10	,,	,,	58 11 50.9	29 28 38.8	83 19 30	,,
,,	29 17 04.7	23 55 21.7	57 40 04	24 53.1	13 27.4	P	10	,,	,,	58 12 30.6	29 27 11.2	82 57 22.5	,,
,,	29 29 26.6	23 58 43.8	57 37 47	24 34.5	13 27.8	H	10	,,	,,	58 10 04	29 32 25.8	83 25 30	,,
,,	29 20 27.9	23 58 44.9	57 38 38	24 34.6	13 27.8	P	10	,,	,,	58 10 50.8	29 30 43.6	82 59 40.5	,,
20	5 27 14.2	00 05 31.5	57 34 43	23 57	13 27.2	H	10	,,	,,	58 06 39.2	5 39 41.2	83 32 25.5	,,
,,	5 27 14.2	00 05 31.3	57 34 54.1	23 57.1	13 27.2	R	10	,,	,,	58 06 46 8	5 39 25.8	83 28 37.5	,,
,,	5 30 14.2	00 08 31.3	57 33 30.2	23 40.5	13 26.6	R	10	,,	,,	58 05 12	5 42 42.2	83 32 43.5	,,
,,	5 30 14.2	00 08 31.5	57 33 13.2	23 40.5	13 26.6	H	10	,,	,,	58 05 00.5	5 43 11.8	83 40 04.5	,,
,,	5 35 37.2	00 13 54.5	57 30 51	23 12.8	13 24.7	R	10	,,	,,	58 02 20.8	5 48 50.9	83 44 06	,,
,,	5 35 37.9	00 13 55	57 32 20	23 12.8	13 24.7	P	10	,,	,,	58 03 48	5 45 46.7	82 57 55.5	,,
,,	5 38 31.4	0 16 48.7	57 29 25.3	22 59.2	13 23.4	R	9	,,	,,	58 00 48.4	5 52 05.8	83 49 16.5	,,
,,	5 38 32.1	0 16 49.2	57 30 51	22 59.2	13 23.4	P	9	,,	,,	58 02 12.4	5 49 09	83 04 57	,,
,,	5 45 14.3	0 23 31.6	57 27 10.2	22 17.7	13 19.5	H	10	,,	,,	57 58 19.6	5 57 23.7	83 28 01.5	,,
,,	5 45 15.7	0 23 32.9	57 28 03	22 17.8	13 19.6	P	10	,,	,,	57 59 04.6	5 55 48	83 03 46.5	,,
,,	5 48 34.6	0 26 51.9	57 25 48.1	21 58	13 17.4	H	10	,,	,,	57 56 48.7	6 00 36.7	83 26 12	,,
,,	5 48 36.1	0 26 53.3	57 26 45	21 58	13 17.4	P	10	,,	,,	57 57 38.6	5 58 51	82 59 25.5	,,
,,	5 54 03.8	0 32 21.2	57 22 18.5	21 27.1	13 13	H	10	,,	,,	57 54 05.4	6 06 23.6	83 30 36	,,
,,	5 54 03.8	0 32 21.1	57 23 40.9	21 27.1	13 13	R	10	,,	,,	57 54 22	6 05 48.6	83 21 52.5	,,
,,	5 57 24.5	0 35 41.8	57 22 05.9	21 09.1	13 09 8	R	10	,,	,,	57 52 34.4	6 09 36.7	83 28 43.5	,,
,,	5 57 24.5	0 35 41.9	57 21 50.9	21 09 1	13 09.8	H	10	,,	,,	57 52 30.1	6 09 46.5	83 31 09	,,
,,	6 12 43	0 51 00.4	57 14 43	19 39.7	12 52.3	R	10	,,	,,	57 44 44.5	6 26 16.7	83 49 04.5	,,
,,	6 12 43.9	0 51 01.2	57 16 31	19 39.7	12 52.3	P	10	,,	,,	57 46 32.6	6 22 26.4	82 51 18.5	,,
,,	6 15 37.2	0 53 54.6	57 13 25	19 23.1	12 48.3	R	10	,,	,,	57 43 21.6	6 29 12.7	83 49 31.5	,,
,,	6 15 38.2	0 53 55.5	57 14 59	19 23.1	12 48.3	P	10	,,	,,	57 44 56	6 25 51.3	82 58 27	,,
,,	6 21 37.9	0 59 55.6	57 11 35.4	18 49.4	12 39.2	H	10	,,	,,	57 41 29.3	6 33 11.4	83 18 57	,,
,,	6 21 39.2	0 59 56.6	57 12 23	18 49.4	12 39.2	P	10	,,	,,	57 42 09.4	6 31 45.8	82 57 18	,,
,,	6 25 05.7	1 03 23.4	57 10 01.6	18 30.2	12 33.6	H	10	,,	,,	57 39 50	6 36 42.8	83 19 51	,,
,,	6 25 07.2	1 03 24.6	57 10 45	18 30.2	12 33.6	P	10	,,	,,	57 40 27.6	6 35 22	82 59 21	,,
,,	6 30 57.9	1 09 15.6	57 07 00.5	17 55.2	12 23.6	H	10	,,	,,	57 36 40.5	6 43 26.7	83 32 46.5	,,
,,	6 30 57.9	1 09 15.4	57 07 15.5	17 55.2	12 23.6	R	10	,,	,,	57 36 48.5	6 43 08.5	83 28 16.5	,,

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION during the Winter of 1821—22, *continued.*

DATE. 1821.	Time by 259	Apparent Time.	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
	° ′ ″	° ′ ″	° ′ ″	′ ″	′ ″				°	° ′ ″	° ′ ″	° ′ ″	
Oct. 20	6 33 55.1	1 12 12.6	57 05 43.9	17 36.4	12 18.2	R	10	29.60	0	57 35 11	6 46 36	83 35 51	⊙ from ☾ East
,,	6 33 55.1	1 12 12.8	57 05 35.7	17 36.4	12 18.2	H	10	,,	,,	57 35 08.6	6 46 41	83 37 03	,,
,,	6 40 54.1	1 19 11.7	57 02 35	16 54.6	12 04.3	R	10	,,	,,	57 31 53	6 53 37	83 36 19.5	,,
,,	6 40 55.5	1 19 12.5	57 03 49.7	16 54.6	12 04.3	P	10	,,	,,	57 33 08.4	6 50 56.8	82 56 04.5	,,
,,	6 44 03.9	1 22 21.5	57 00 56.6	16 36.7	11 57.5	R	10	,,	,,	57 30 11.6	6 57 12.5	83 42 45	,,
,,	6 44 04.9	1 22 22.4	57 02 23.8	16 36.7	11 52.7	P	10	,,	,,	57 31 38	6 54 08.5	82 56 31.5	,,
,,	6 49 59.6	1 28 17.4	56 58 58.1	16 01.3	11 44.1	H	10	,,	,,	57 28 09.7	7 01 32.1	83 18 40.5	,,
,,	6 50 01	1 28 18.6	56 59 45.9	16 01.4	11 44.2	P	10	,,	,,	57 28 48.8	7 00 09	82 57 36	,,
,,	6 54 58.3	1 33 18.1	56 56 42.1	15 30.2	11 32.3	H	10	,,	,,	57 25 47.3	7 06 35.1	83 19 15	,,
,,	6 54 59.7	1 33 17.3	56 57 40.2	15 30.2	11 32.3	P	10	,,	,,	57 26 42.2	7 04 37.8	82 50 07.5	,,
,,	7 20 24.2	1 58 42.1	56 44 45.1	12 56.9	10 24.4	H	10	,,	,,	57 13 34.9	7 32 33.5	83 27 48	,,
,,	7 20 24.2	1 58 42.1	56 44 19.4	12 56.9	10 24.4	R	10	,,	,,	57 13 04	7 33 38.5	83 44 06	,,
,,	7 24 13.6	2 02 31.5	56 42 26	12 33.8	10 12.3	R	10	,,	,,	57 11 13.2	7 37 35	83 45 52.5	,,
,,	7 24 13.6	2 02 31.5	56 42 51.8	12 33.8	10 12.3	H	10	,,	,,	57 11 39.9	7 36 38.4	83 31 43.5	,,
,,	7 34 29	2 12 46.0	56 37 51.3	11 31.5	9 39.7	R	10	,,	,,	57 06 36.1	7 47 25	83 39 31.5	,,
,,	7 34 29.4	2 12 47.3	56 39 06.4	11 31.4	9 39.6	P	10	,,	,,	57 07 52	7 44 42.8	82 58 52.5	,,
,,	7 37 16.1	2 15 34	56 36 19.9	11 14.6	9 30.7	R	10	,,	,,	57 05 04.5	7 50 39.5	83 46 22.5	,,
,,	7 37 16.6	2 15 34.5	56 37 47	11 14.4	9 30.6	P	10	,,	,,	57 06 32.6	7 47 31.6	82 59 16.5	,,
Nov. 4	12 48 52.1	7 27 20	59 08 37	14 16.3	33 31.5	P	10	30.11	,,	58 25 35.2	12 58 20.7	82 45 10.5	α Arietis East ☾
,,	12 48 52.7	7 27 20.7	59 07 48.5	14 16.3	33 31.5	R	10	,,	,,	58 24 47.8	12 59 39	83 04 33.7	,,
,,	12 54 48.8	7 33 16.7	59 05 30	14 21.8	34 05	P	10	,,	,,	58 21 58.4	13 04 33.1	82 49 06	,,
,,	12 54 49.3	7 33 17.3	59 04 33	14 21.8	34 05.1	R	10	,,	,,	58 21 03	13 06 05	83 11 54.9	,,
,,	13 05 19.5	7 43 47.6	58 58 57.3	14 29.2	35 02.3	H	10	,,	,,	58 14 42.9	13 17 01	83 18 21	,,
,,	13 05 19.8	7 43 47.7	59 00 01.1	14 29.2	35 02.3	P	10	,,	,,	58 15 39	13 15 27.3	82 54 54	,,
,,	13 11 39.8	7 50 07.9	58 55 34	14 32.5	35 34.8	H	10	,,	,,	58 10 50.7	13 23 41	83 23 16.5	,,
,,	13 11 40.2	7 50 08.1	58 56 38	14 32 5	35 34.8	P	10	,,	,,	58 11 46.4	13 22 08.2	83 00 01.5	,,

„	13 23 19.8	S 01 47.7	58 49 51.2	14 36.3	36 36.9	R	10	„	„	58 04 04	13 35 22	83 23 33.7	„
„	13 28 24.7	S 06 52.7	58 46 57.5	14 36.8	37 04.8	R	10	„	„	58 00 44.8	13 41 05	83 33 03.7	„
„	13 47 05.3	S 25 33.3	58 38 10	14 32.7	38 41.3	R	10	„	„	57 58 33.8	13 58 37.5	83 16 03	„
„	13 47 05.4	S 25 33.3	58 39 11	14 32.7	38 41.3	P	10	„	„	57 51 26.8	13 57 09	82 53 55.5	„
„	13 51 23.6	S 29 51.7	58 36 35	14 30.7	39 03.3	P	10	„	„	57 48 29.4	14 02 13.8	83 05 31.5	„
„	13 51 23.6	S 29 51.7	58 35 41.1	14 30.7	39 03.3	R	10	„	„	57 47 38.5	14 03 38.5	83 26 42.9	„
„	13 58 59.7	S 37 27.8	58 31 42.5	14 25.3	39 39.3	H	10	„	„	57 43 09.6	14 11 23	83 28 48	„
„	13 59 00.1	S 37 27.9	58 32 54.6	14 25.3	39 39.3	P	10	„	„	57 44 14	14 09 31.8	83 00 58.5	„
„	14 04 23.7	S 42 51.8	58 29 18.3	14 20.5	40 03.1	H	10	„	„	57 40 22.3	14 16 10.8	83 19 45	„
„	14 04 24.1	S 42 51.9	58 30 14.9	14 20.5	40 03.1	P	10	„	„	57 41 09.6	14 14 51.6	82 59 55.5	„
„	14 14 02.2	S 52 30.1	58 24 30.3	14 11.1	40 44.6	R	10	„	„	57 34 47.2	14 25 48.3	83 19 33.1	„
„	14 14 02.2	S 52 30.3	58 24 08.4	14 11.1	40 44.6	H	10	„	„	57 34 30.3	14 26 17	83 26 40.5	„
„	14 18 43.6	S 57 11.7	58 21 38.3	14 6.1	41 04.1	H	10	„	„	57 31 42	14 31 06.8	83 28 46.5	„
„	14 18 43.6	S 57 11.5	58 21 54.2	14 6.2	41 04.1	R	10	„	„	57 31 52.5	14 30 49.3	83 24 27.6	„
„	14 26 58.8	9 05 26.6	58 18 53.5	13 55.5	41 40.6	P	10	„	„	57 28 11	14 37 11	82 56 06	„
„	14 26 58.8	9 05 26.6	58 18 17.7	13 55.5	41 40.6	R	10	„	„	57 27 38.6	14 38 06.5	83 09 59.2	„
„	14 31 23.5	9 09 51.4	58 15 52.5	13 48.7	42 01.4	R	10	„	„	57 24 54	14 42 49.3	83 14 28.3	„
„	14 31 23.8	9 09 51.6	58 16 23.5	13 48.7	42 01.4	P	10	„	„	57 25 19.4	14 42 06	83 03 36	„
„	14 41 50.9	9 20 19	58 12 27.6	13 30.9	42 42.6	H	10	„	„	57 18 50.1	14 53 15.5	83 14 07.5	„
„	14 41 51.1	9 20 18.9	58 11 06.2	13 30.9	42 42.6	P	10	„	„	57 19 20	14 52 25	83 01 31.5	„
„	14 46 32.8	9 25 00.9	58 07 38.8	13 22.2	42 58	H	10	„	„	57 15 43.8	14 58 36	83 23 46.5	„
„	14 46 33	9 25 00.8	58 08 35.6	13 22.2	42 58	P	10	„	„	57 16 32.2	14 57 12.2	83 02 51	„
„	14 58 30.3	9 36 58.4	58 01 29.3	12 57.4	43 35.7	H	10	„	„	57 08 46.2	15 10 34.3	83 23 58.5	„
„	14 59 58.6	9 38 26.5	58 01 22	12 54.1	43 40.9	R	10	„	„	57 08 34.4	15 10 54.8	83 07 04.5	„
„	15 03 07.6	9 41 35.7	57 58 28	12 47.1	43 49.5	H	10	„	„	57 05 34.7	15 16 03.7	83 37 00	„
„	15 04 13.9	9 42 41.8	57 58 32.8	12 44.6	43 52.9	R	9	„	„	57 05 32.2	15 16 08.8	83 21 40.5	„
„	15 20 53.3	9 59 21	57 50 38.1	12 02.7	44 36.9	P	10	„	„	56 56 40.4	15 31 24.5	83 00 52.5	„
„	15 20 53.5	9 59 21.2	57 50 04.8	12 02.7	44 36.9	R	10	„	„	56 56 08.8	15 32 17	83 13 55.9	„
„	15 24 48.1	10 03 15.8	57 48 29.6	11 52.2	44 49.3	P	12	„	„	56 54 18	15 35 27.6	83 02 57	„
„	15 24 48.3	10 03 16.1	57 47 54.8	11 52 2	44 49.3	R	12	„	„	56 53 44.8	15 36 25	83 17 13.8	„
„	15 32 22.6	10 10 50.6	57 43 47.5	11 30.7	45 11.4	H	10	„	„	56 49 19	15 44 01.1	83 17 37.5	„
„	15 32 23.2	10 10 50.9	57 44 23.8	11 30.7	45 11.4	P	10	„	„	56 49 53.8	15 43 01.8	83 02 43.5	„

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION during the Winter of 1821—22, *continued.*

DATE. 1821.	Time by 259	Apparent Time.	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
	° ′ ″	° ′ ″	° ′ ″	′ ″	′ ″				°	° ′ ″	° ′ ″	° ′ ″	
Nov. 4	15 36 44.6	10 15 12.6	57 41 09	11 17.7	45 23.2	H	10	30 11	0	56 46 25.8	15 49 25.9	83 33 19.5	α Arietis E. of ☾
,,	15 36 45.2	10 15 12.9	57 41 51	11 17.7	45 23.2	P	10	,,	,,	56 46 58.6	15 48 02.5	83 12 24	,,
,,	15 45 14.4	10 23 42.4	57 37 18.8	10 50.8	45 41	H	10	,,	,,	56 42 13.5	15 56 12.2	83 07 27	,,
,,	15 45 14.4	10 23 42.2	57 37 45	10 50.8	45 41	R	10	,,	,,	56 42 34.2	15 57 37	82 58 42.6	,,
,,	15 49 09.5	10 27 37.3	57 35 35	10 37.6	45 36.6	R	10	,,	,,	56 40 17.4	15 59 32	82 58 40.5	,,
,,	15 49 09.5	10 27 37.5	57 35 07.7	10 37.6	45 36.6	H	10	,,	,,	56 39 53.2	16 00 13.3	83 08 37	,,
Dec. 1	10 23 20.3	4 54 23.8	64 22 48	11 47.8	29 32	P	10	29 81	20	63 43 38	10 27 41.9	83 19 31.5	,,
,,	10 23 20.4	4 54 24.1	64 22 29.5	11 47.8	29 32	R	10	,,	,,	63 43 22.2	10 28 12	83 26 57.9	,,
,,	10 29 34.9	5 00 38.6	64 19 55.5	11 57.2	30 09.1	R	10	,,	,,	63 40 18.2	10 33 41	83 15 36.6	,,
,,	10 29 35.4	5 00 39.4	64 20 20	11 57.2	30 09	P	10	,,	,,	63 40 38	10 33 05.7	83 06 34.5	,,
,,	10 38 41	5 09 45.5	64 15 48.1	12 08.1	31 03.3	H	10	,,	,,	63 35 28.4	10 42 21.9	83 09 06	,,
,,	10 40 36	5 11 39.2	64 15 03.6	12 09.9	31 14.7	P	10	,,	,,	63 34 27.4	10 44 11.2	83 08 00	,,
,,	10 47 23.8	5 18 26.9	64 11 40	12 16.3	31 55.2	P	10	,,	,,	63 30 28.8	10 51 20.6	83 13 25.5	,,
,,	10 47 25.8	5 18 30.2	64 11 04.2	12 16.4	31 55.7	H	10	,,	,,	63 30 00.4	10 52 11.5	83 25 19.5	,,
,,	11 08 01.1	5 39 04.5	64 02 12	12 28.8	33 52.1	R	10	,,	,,	63 19 25.4	11 11 12.5	83 02 00.8	,,
,,	11 10 20.9	5 41 25	64 01 14.2	12 29.7	34 04.9	H	11	,,	,,	63 18 23.8	11 13 03	82 54 30	,,
,,	11 17 41.1	5 48 44.2	63 57 09.7	12 32.5	34 44.8	R	10	,,	,,	63 13 43	11 21 28.5	83 11 04.3	,,
2	10 52 50.1	5 23 24.2	50 37 29.6	17 35.2	32 46.3	P	10	29 90	25	49 56 51.8	10 56 12	83 11 57	,,
,,	10 52 50.1	5 23 24.2	50 38 14.7	17 35.2	32 46.3	R	10	,,	,,	49 57 40.6	10 54 48.5	82 51 04.5	,,
,,	11 00 36.6	5 31 10.3	50 34 04.5	17 50.8	33 31.1	R	10	,,	,,	49 52 51.2	11 03 16.5	83 01 27.9	,,
,,	11 00 36.6	5 31 10.6	50 33 21	17 50.8	33 31.1	P	10	,,	,,	49 52 05.6	11 04 34	83 20 51	,,
,,	11 17 18	5 47 51.7	50 25 15	18 16.7	35 02.7	P	10	,,	,,	49 42 38	11 21 10.7	83 19 45	,,
,,	11 20 44.3	5 51 17.9	50 23 14.6	18 21.3	35 21.2	H	8	,,	,,	49 40 32.8	11 24 50.2	83 23 04 5	,,
,,	11 24 43.7	5 55 17.3	50 21 47	18 26.7	35 42.6	P	10	,,	,,	49 38 34	11 27 43.2	83 06 28.5	,,
,,	11 31 16.7	6 01 50.1	50 18 39.6	18 35.5	36 17.7	H	8	,,	,,	49 35 07.8	11 34 20.5	83 07 36	,,
,,	11 36 27.6	6 07 01	50 16 32	18 40.1	36 45.1	R	10	,,	,,	49 32 29.4	11 38 59.5	82 59 37.2	,,

,,	11 45 42.2	6 16 15.5	50 12 12.4	18 45.8	37 33.9	R	10	,,	,,	49 27 22.8	11 47 56.5	82 55 13.9	,,
,,	11 45 42.2	6 16 15.4	50 11 55.8	18 45.8	37 33.9	H	10	,,	,,	49 27 14.2	11 48 10.8	82 58 51	,,
,,	12 32 33.8	7 03 06.4	52 43 38.5	18 48.3	19 49.3	R	10	,,	,,	52 50 35.8	12 34 36.5	82 52 31.1	α Aquila W. of ☾
,,	12 32 34	7 03 06.6	52 44 12.5	18 48.3	19 49.2	P	10	,,	,,	52 51 03.4	12 35 41.5	83 08 43.5	,,
,,	12 39 51	7 10 23.5	52 46 34	18 43.2	19 09.4	P	10	,,	,,	52 54 09	12 42 50.8	83 06 49.5	,,
,,	12 39 51	7 10 23.6	52 46 08	18 43.2	19 09.4	R	10	,,	,,	52 53 43.6	12 41 50	82 51 36.3	,,
,,	12 52 57.6	7 23 29.7	52 50 51	18 30.8	17 56.9	P	10	,,	,,	52 59 44.4	12 55 44.1	83 03 36	,,
,,	12 54 09.4	7 24 41.5	52 50 47.1	18 29.3	17 49.1	H	10	,,	,,	52 59 53.4	12 56 03.3	82 50 27	,,
,,	13 00 49	7 31 20.9	52 53 34.5	18 22.1	17 11.3	H	10	,,	,,	53 03 20.5	13 04 00.8	83 09 58.5	,,
,,	13 00 49	7 31 21.1	52 53 29	18 22.1	17 11.4	P	10	,,	,,	53 03 11	13 03 41.2	83 05 01.5	,,
,,	13 11 42.7	7 42 14.4	52 57 15	18 06.9	16 07.7	H	10	,,	,,	53 08 07.6	13 15 03.4	83 12 15	,,
,,	13 11 42.7	7 42 14.5	52 57 02.5	18 06.8	16 07.7	R	10	,,	,,	53 07 52.2	13 14 27	83 02 58.2	,,
,,	13 18 36.3	7 49 08	53 00 17.5	17 55.1	15 26.1	R	10	,,	,,	53 11 43.6	13 23 21	83 34 05.2	,,
,,	13 18 36.3	7 49 07.9	52 59 36.5	17 55.1	15 26.1	H	10	,,	,,	53 11 12.8	13 22 09.6	83 15 25.5	,,
,,	13 29 13.5	7 59 45.5	53 03 03.4	17 35.3	14 23.6	P	10	,,	,,	53 15 38.6	13 32 35	83 09 58.5	,,
,,	13 29 13.8	7 59 45.5	53 02 43.2	17 35.3	14 23.6	R	10	,,	,,	53 15 17.6	13 33 41	83 28 52	,,
,,	13 35 28.2	8 05 59.7	53 05 11.5	17 22.8	13 47.5	P	10	,,	,,	53 18 22	13 38 40.4	83 10 10.5	,,
,,	13 35 28.7	8 06 00.3	53 04 47	17 22.8	13 47.5	R	10	,,	,,	53 17 58.2	13 37 42	82 55 25.4	,,
,,	13 52 42.6	8 23 13.7	49 08 44.2	16 41.6	45 27.6	P	10	,,	,,	48 14 38.8	13 55 38.7	83 06 15	α Arietis E. of ☾
,,	14 00 45.7	8 31 16.8	49 04 24.9	16 21.2	45 42.1	P	10	,,	,,	48 09 42	14 04 00.4	83 10 54	,,
,,	14 11 35.6	8 42 06.5	48 58 42.1	15 51	45 58.5	P	10	,,	,,	48 03 19.6	14 15 09.2	83 15 40.5	,,
,,	14 11 35.6	8 42 06.4	48 58 47	15 51	45 58.5	R	10	,,	,,	48 03 30.4	14 14 51.5	83 11 12	,,
,,	14 18 45	8 49 15.9	48 54 50.6	15 29.7	46 08	P	10	,,	,,	47 59 04	14 22 36.4	83 20 07.5	,,
,,	14 18 45.2	8 49 16.1	48 54 54.2	15 29.7	46 08	R	10	,,	,,	47 59 12.4	14 22 21.5	83 16 19.9	,,
,,	14 31 17.8	9 01 48.3	48 49 18	14 49.4	46 17	R	10	,,	,,	47 52 53.8	14 33 22.5	82 53 29.1	,,
,,	14 31 18.4	9 01 48.9	48 48 24.3	14 49.4	46 17	P	10	,,	,,	47 52 01	14 34 56	83 16 46.5	,,
,,	14 37 26	9 07 56.4	48 45 51.5	14 29	46 19.7	R	10	,,	,,	47 49 16.4	14 39 45.5	82 57 11.7	,,
,,	14 37 26.6	9 07 57.1	48 45 13.9	14 29	46 19.7	P	10	,,	,,	47 48 33.4	14 40 59	83 15 28.5	,,
3	10 43 54	5 13 58.4	62 59 12	21 39.7	27 59.8	P	10	30 00	−30	62 57 01.4	10 46 08.7	83 02 34.5	α Aquila, W. of ☾
,,	10 43 54.5	5 13 58.9	62 59 11.2	21 39.7	27 59.8	R	10	,,	,,	62 57 01.2	10 46 05.5	83 01 39	,,
,,	10 51 34.5	5 21 38.8	63 01 58.7	22 06.3	27 30.8	R	10	,,	,,	63 00 29.5	10 53 20	82 55 17.3	,,
,,	10 51 34.5	5 21 38.8	63 02 25	22 06.3	27 30.8	P	10	,,	,,	63 00 54.2	10 54 18.7	83 09 58.5	,,

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION during the Winter of 1821—22, *continued.*

DATE, 1821.	Time by 259	Apparent Time.	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
	° ′ ″	° ′ ″	° ′ ″	′ ″	′ ″				°	° ′ ″	° ′ ″	° ′ ″	
Dec. 3	11 03 25.1	5 33 29.1	63 06 41	22 43.1	26 42.9	H	10	30.00	30	63 06 18.3	11 05 37.6	83 02 07.5	α Aquila W. of ☾
„	11 03 25.2	5 33 29.2	63 07 18	22 43.1	26 42.9	P	10	„	„	63 06 52	11 06 51.5	83 20 34.5	„
„	11 11 02.4	5 41 06.2	63 09 41.5	23 04.8	26 10.5	H	10	„	„	63 10 00.8	11 13 26	83 04 57	„
„	11 11 04.1	5 41 08.1	63 09 49	23 04.9	26 10.4	P	10	„	„	63 10 06.6	11 13 38	83 07 28.5	„
„	11 21 55.3	5 51 58.9	63 14 28.6	23 34.6	25 23.4	H	10	„	„	63 15 49.6	11 25 37.2	83 24 34.5	„
„	11 21 55.4	5 51 58.9	63 14 17	23 34.6	25 23.4	R	10	„	„	63 15 35.6	11 25 04.5	83 16 39.6	„
„	11 27 52	5 57 55.5	63 16 45.9	23 50	24 57.1	R	10	„	„	63 18 38.4	11 31 27.5	83 23 29.5	„
„	11 27 52	5 57 55.7	63 16 42.3	23 50	24 57	H	10	„	„	63 18 37.6	11 31 28.8	83 23 16.5	„
„	12 21 12.9	6 51 15.5	63 36 17	25 21.4	20 27.4	P	10	„	„	63 43 08	12 22 48.5	82 53 15	„
„	12 21 13.8	6 51 15.8	63 36 52.5	25 21.5	20 27.4	R	10	„	„	63 44 16.8	12 25 12.3	83 29 07	„
„	12 28 16.8	6 58 19.3	63 39 00	25 27.8	19 50.8	P	10	„	„	63 47 04	12 31 02.5	83 10 48	„
„	12 28 16.8	6 58 19.3	63 39 25	25 29.9	19 51.9	R	10	„	„	63 47 13.5	12 31 21	83 15 26.3	„
„	12 39 14.8	7 09 17.3	63 42 49.5	25 35.9	18 51.6	H	10	„	„	63 52 03.9	12 41 28.4	83 02 46.5	„
„	12 39 14.9	7 09 17.3	63 43 10	25 35.9	18 51.6	P	10	„	„	63 52 22.6	12 42 08	83 12 40.5	„
„	12 45 31.7	7 15 34	63 45 17	25 39.5	18 16.1	H	10	„	„	63 55 12.5	12 48 02.7	83 07 10.5	„
„	12 45 32	7 15 34.3	63 45 38	25 39.5	18 16 1	P	10	„	„	63 55 31	12 48 42	83 16 55.5	„
„	12 54 49.2	7 24 51.2	63 49 10.6	25 42.1	17 23.4	H	10	„	„	64 00 06.5	12 58 16.5	83 21 19.5	„
„	12 54 49.2	7 24 51.2	63 49 58.6	25 42.1	17 23.4	R	10	„	„	64 00 51.2	12 59 50	83 44 47.8	„
„	13 00 15.7	7 30 17.5	63 51 53.7	25 41.8	16 52.3	R	10	„	„	64 03 20.8	13 05 22	83 41 07.5	„
„	13 00 15.7	7 30 17.7	63 51 18.2	25 41.8	16 52.3	H	10	„	„	64 02 49.9	13 03 57.5	83 24 57	„
„	13 09 36.2	7 39 37.9	63 54 53.7	25 39.6	15 59.9	R	10	„	„	64 07 20	13 13 22	83 26 01	„
„	13 09 36.4	7 39 38.3	63 54 34	25 39.6	15 59.9	P	10	„	„	64 07 01.4	13 12 43.5	83 16 18	„
„	13 15 48.3	7 45 50.1	63 56 37	25 36.9	15 25.5	P	10	„	„	64 09 52.6	13 18 40.9	83 12 42	„
„	13 15 48.9	7 45 50.5	63 56 49.2	25 36.9	15 25.5	R	10	„	„	64 09 54.4	13 18 44	83 13 22.5	„
„	13 25 09	7 55 10.6	63 59 33	25 31	14 30.6	H	10	„	„	64 13 42.2	13 26 39.8	82 52 18	„
„	13 25 09.7	7 55 11.3	64 00 06	25 31	14 30.6	P	10	„	„	64 14 15.4	13 27 48.2	83 06 43.5	„

„	13 31 24.6	8 01 26.1	64 02 19.4	25 25.7	13 51.9	H	10	„	„	64 17 10.9	13 33 53.1	83 06 45		„
„	13 31 25.2	8 01 26.8	64 02 26	25 25.7	13 51.9	P	10	„	„	64 16 58.4	13 33 28.3	83 00 22.5		„
„	13 42 23.7	8 12 24.2	64 06 59.5	25 13.5	12 44.7	R	10	„	„	64 23 03.5	13 46 08.5	83 26 04.5		„
„	13 42 23.7	8 12 25	64 06 28.3	25 13.5	12 44.7	H	10	„	„	64 22 34.6	13 45 06.9	83 10 28.5		„
„	13 48 19.9	8 18 21.9	64 08 44.5	25 05.7	12 08.8	H	10	„	„	64 25 29.7	13 51 10.8	83 12 25.5		„
„	13 48 19.9	8 18 20.3	64 09 11.2	25 05.7	12 08.8	R	10	„	„	64 25 56.6	13 52 08.5	83 27 02 5		„
4	10 02 55.6	4 32 30	74 31 39	21 37.4	29 58.2	P	10	„	20	74 24 57.2	10 05 08.9	83 09 43.5		„
„	10 02 56.2	4 32 30.5	74 31 19.7	21 37.4	29 58.2	R	10	„	„	74 24 41	10 04 37	83 01 36.9		„
„	10 10 05.6	4 39 39.9	74 34 52	22 15.2	29 38.5	P	10	„	„	74 28 39.4	10 12 28.9	83 12 14		„
„	10 10 05.9	4 39 40.1	74 34 48.9	22 15.2	29 38.5	R	10	„	„	74 28 42.2	10 12 33	83 13 14.1		„
„	10 20 37.3	4 50 11.2	74 39 32.1	23 07.9	29 07	H	10	„	„	74 34 06.7	10 23 14.5	83 15 49.5		„
„	10 20 37.4	4 50 11.4	74 39 40	23 07.9	29 07.1	R	10	„	„	74 34 04	10 23 10.2	83 14 42		„
„	10 28 19.9	4 57 53.8	74 42 44	23 45.2	28 42.2	P	10	„	„	74 37 41.4	10 30 19.5	83 06 20.5		„
„	10 28 20	4 57 53.8	74 43 00.2	23 45.2	28 42.2	H	10	„	„	74 38 07	10 31 09.5	83 18 55.5		„
„	10 38 11.2	5 07 44.8	74 47 09.5	24 31.5	28 07.9	R	10	„	„	74 42 53	10 40 34	83 12 18.1		„
„	10 38 11.2	5 07 44.9	74 47 33.5	24 32	28 07.9	H	10	„	„	74 43 23.1	10 41 33.3	83 27 06		„
„	10 43 22.5	5 12 55.9	74 49 34.6	24 56.3	27 48.4	R	10	„	„	74 45 41.4	10 46 07	83 17 46.6		„
„	10 43 22.5	5 12 56.1	74 49 16.8	24 56.3	27 48.4	H	10	„	„	74 45 31.6	10 45 47	83 12 43.5		„
„	10 52 57.8	5 22 31.2	74 53 05	25 39.5	27 10.8	P	10	„	„	74 49 54	10 54 26.4	82 58 48		„
„	10 52 57.9	5 22 31.1	74 53 24.7	25 39.5	27 10.8	R	10	„	„	74 50 16.6	10 55 12.5	83 10 20.8		„
„	11 00 00.7	5 29 33.8	74 56 18	26 10.3	26 42.2	R	10	„	„	74 53 44.2	11 02 00.5	83 06 40.8		„
„	11 00 00.9	5 29 34.1	74 56 11	26 10 2	26 42.2	P	10	„	„	74 53 33.6	11 01 47 4	83 04 19.5		„
„	11 08 33.4	5 38 06.6	75 00 32.4	26 46.1	26 06.4	H	10	„	„	74 58 47.6	11 11 57.8	83 27 48		„
„	11 08 33.9	5 38 07.3	75 00 22	26 46.1	26 06.4	P	10	„	„	74 58 28	11 11 20.8	83 18 22.5		„
„	11 13 39.3	5 43 12.4	75 02 28.2	27 06.7	25 44.7	H	10	„	„	75 01 07.1	11 16 33	83 20 09		„
„	11 13 39.5	5 43 12.8	75 02 13	27 06.8	25 44.7	P	10	„	„	75 00 43.4	11 15 47.8	83 08 45		„
„	11 20 29.5	5 50 02.3	75 05 33	27 33.4	25 14	R	10	„	„	75 04 46.2	11 23 46.5	83 26 03		„
„	11 20 29.5	5 50 02.5	75 05 16.4	27 33.4	25 14	H	10	„	„	75 04 32.8	11 23 18.4	83 18 58.5		„
„	11 24 51.9	5 54 24.8	75 07 04.5	27 49.9	24 53	H	10	„	„	75 06 46.8	11 27 42.8	83 19 30		„
„	11 24 51.9	5 54 24.7	75 07 30.2	27 49.9	24 53	R	10	„	„	75 07 04	11 28 18.5	83 28 27		„
9	12 59 29.4	7 26 20.5	55 10 21	27 46.1	44 24.8	P	10	29.68	„	54 23 39.4	12 58 55.6	83 08 46.5	α Arietis West of ☾	
„	12 59 37.1	7 26 27 9	55 09 53.5	27 46.9	44 25.1	R	11	„	„	54 23 22.5	12 58 33	83 01 16.5		„

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION during the Winter of 1821—22, *continued.*

DATE. 1821.	Time by 259	Apparent Time	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
	° ′ ″	° ′ ″	° ′ ″	′ ″	′ ″								
Dec. 9	13 07 20.5	7 34 11.5	55 15 07.4	28 33.1	44 44.9	P	10	29 68	−20	54 28 36	13 07 03.7	83 13 03	α Arietis West of ☾
„	13 07 21.4	7 34 12.1	55 14 55.2	28 33.1	44 44.9	R	10	„	„	54 28 26.8	13 06 49	83 09 14.5	„
„	13 23 53.3	7 50 43.7	55 24 47	30 11.7	45 24.7	P	10	„	„	54 28 39.6	13 23 37	83 13 49.5	„
„	13 23 53.3	7 50 43.7	55 24 21.7	30 11·7	45 24.7	H	10	„	„	54 38 18.2	13 23 02	83 04 34.5	„
„	13 30 57.9	7 57 48.2	55 28 39.2	30 53.8	45 40.1	H	10	„	„	54 42 48.7	13 30 26.8	83 09 39	„
„	13 30 57.9	7 57 48.2	55 29 03	30 53.8	45 40.1	P	10	„	„	54 43.07.8	13 30 58.4	83 17 33	„
“	13 44 21.7	8 11 11.7	55 36.36.2	32 09.8	46 01.5	R	10	„	„	54 54 08	13·44 08	83 14 05	„
„	13 44 22.1	8 11 12.2	55 37 24	32 09.8	46 01.5	H	10	„	„	54 51 58.1	13 45 30.8	83 34 39	„
„	13 51 13.6	8 18 03.6	55 41 06.9	32 47.1	46 09.4	H	10	„	„	54 55 54	13 51 59.3	83 28 55.5	„
„	13 51 13.8	8 18 03.7	55 40 31.2	32 47.1	46 09.4	R	10	„	„	54 55 18.4	13 50 59	83 13 49	„
11	13 03 06.8	7 28 50.1	52 17 13.1	12 24.2	28 26	P	10	29 75	−24	51 37 54.6	13 01 58.4	83 17 04.5	Aldebaran West of the ☾
„	13 03 06.9	7 28 50.3	52 16 43.2	12 17.2	28 26	R	10	„	„	51 37 23.2	13 01 03	83 03 58.8	„
„	13 09 17.9	7 35 01.2	52 20 41.5	12 55.1	28 58.6	R	10	„	„	51 41 14.8	13 07 55	83 13 27.7	„
„	13 09 17.9	7 35 01.2	52 21 00	12 55.1	28 58.6	P	10	„	„	51 41 25	13 08 12.4	83 17 48	„
„	13 37 24	8 03 06.8	52 36 42.6	15 21.3	31 19.1	H	10	„	„	51 56 21.5	13 34 47.4	82 55 09	„
„	13 37 25.2	8 03 08	52 37 33.6	15 21.4	31 19.2	P	10	„	„	51 57 04	13 36 03.3	83 13 49.5	„
„	13 44 34.4	8 10 17.1	52 41 13	16 00·1	31 56.9	H	10	„	„	52 00 34.2	13 42 17.2	83 00 01.5	„
„	13 44 34.6	8 10 17.3	52 42 03.3	16 00.1	31 56.9	P	10	„	„	52 01 19.4	13 43·37.4	82 20 01.5	„
„	13 55 13.4	8 20 55.9	52 48 39.5	16 57.6	32 50.2	R	10	„	„	52 07 42	13 54 59	83 30 46.5	„
„	13 55 13.5	8 20 56	52 47 51.5	16 57.6	32 50.2	H	10	„	„	52 06 59	13 53 42	83 11 30	„
„	14 00 48.6	8 26 30.9	52 51 31	17 27.7	33 17	R	10	„	„	52 10 24.8	13 59 50	83 19 45.9	„
„	14 00 48.8	8 26 31.2	52 50 58.2	17 27.7	33 17	H	10	„	„	52 09 57.6	13 58 59.8	83 07 09	„
„	14 09 50.9	8 35 33	52 56 32.9	18 17.4	33 57.3	P	10	„	„	52 15 12.6	14 08 20.8	83 11 57	„
„	14 09 50.9	8 35 33	52 56 40.2	18 17.4	33 57.3	R	10	„	„	52 15 25.8	14 08 45.5	83 18 08.1	„
„	14 15 47.7	8 41 29.7	53 00 09.5	18 50.6	34 21.9	R	10	„	„	52 18 51.2	14 14 49	83 19 52.5	„
„	14 15 47.8	8 41 29.9	53 00 06.5	18 50.6	34 21.9	P	10	„	„	52 18 42.2	14 14 33.8	83 15 58.5	„

„	14 25 16.8	8 50 58.7	53 05 05	19 43.8	35 00.7	H	10	„	„	52 23 48.8	14 23 41.3	83 08 22.5	„
„	14 25 16.9	8 50 58.6	53 05 15.9	19 43.8	35 00.7	P	10	„	„	52 23 48	14 23 39.8	83 10 18	„
„	14 32 36.9	8 58 18.7	53 08 58.5	20 25	35 30.5	H	10	„	„	52 27 37.2	14 30 26.8	83 02 01.5	„
„	14 32 37	8 58 18.7	53 09 40.7	20 25	35 30.5	P	10	„	„	52 28 11.6	14 31 28.8	83 17 33	„
„	14 43 35.3	9 09 16.8	53 15 37.5	21 27	36 11.3	R	10	„	„	52 34 11	14 42 08	83 12 48.5	„
„	14 43 35.6	9 09 17.2	53 15 10.9	21 27	36 11.3	H	10	„	„	52 33 48.6	14 41 28.4	83 02 48	„
„	14 49 28	9 15 09.4	53 18 46	22 00.3	36 31.3	R	10	„	„	52 37 21.6	14 47 47.5	83 09 31.4	„
„	14 49 28.5	9 15 10	53 18 09.5	22 00.3	36 31.3	H	10	„	„	52 36 49	14 46 50.2	82 55 03	„
„	15 42 41.4	10 08 21.7	53 47 42.2	27 04.9	38 57.6	P	10	„	„	53 07 06	15 40 47.8	83 06 31.5	„
„	15 42 41.8	10 08 22.1	53 47 37.5	27 04.9	38 57.6	R	10	„	„	53 07 04.8	15 40 47	83 06 13.2	„
„	15 49 35.8	10 15 15.7	53 51 36	27 44.4	39 10.7	P	10	„	„	53 11 12	15 48 06.2	83 12 37.5	„
„	15 49 35.9	10 15 16	53 51 24.5	27 44.3	39 10.7	R	10	„	„	53 11 04.2	15 47 54	83 09 28.5	„
13	17 03 06.9	11 27 36.6	37 57 39	16 03.9	44 59.9	R	10	30.00	−29	36 59 43.4	17 00 03.5	83 06 41.5	Pollux West of ☾
„	17 03 10.2	11 27 40	37 58 05	16 04.3	45 00.2	P	10	„	„	37 00 02.8	17 00 39	83 14 45	„
„	17 10 21.4	11 34 51	38 02 20	16 44.7	45 34.2	R	10	„	„	37 04 33.8	17 09 06.5	83 07 07.5	„
„	17 11 04.9	11 35 34.5	38 02 27	16 48.4	45 37.8	P	10	„	„	37 04 32	17 09 02.8	83 22 04.5	„
„	17 23 17.2	11 47 46.6	38 09 10	17 56.4	46 33.9	P	10	„	„	37 11 28.4	17 22 02.2	83 33 54	„
„	17 31 44.7	11 56 13.9	38 13 15	18 42.6	47 12	P	10	„	„	37 15 42.4	17 32 09	83 23 27	„
„	17 41 42.5	12 06 11.5	38 18 05	19 36.9	47 53.8	P	10	„	„	37 20 51	17 39 36	83 21 07.5	„
„	17 41 43.3	12 05 29.2	38 18 13.5	19 36.9	47 53.8	R	10	„	„	37 21 07	17 40 05.5	83 28 06.9	„
„	17 48 09.5	12 12 38.4	38 21 40	20 12.3	48 19.3	P	11	„	„	37 24 38	17 46 41 5	83 30 46.5	„
„	17 48 10.2	12 12 38.9	38 20 45.5	20 12.3	48 19.3	R	11	„	„	37 23 52.2	17 45 13.5	83 28 39.6	„
„	17 57 04.3	12 21 33	38 25 47.6	21 00.4	48 52.8	P	10	„	„	37 29 05.4	17 55 01.2	83 22 03.5	„
„	17 57 04.9	12 21 33.5	38 25 42	21 00.4	48 52.8	R	10	„	„	37 29 06.8	17 55 05.5	83 23 00.3	„
„	18 02 26.8	12 26 55.4	38 28 35.2	21 28.9	49 11.8	P	10	„	„	37 32 04.8	18 00 38.8	83 25 51	„
„	18 02 27.1	12 26 55.6	38 28 32	21 28.9	49 11.8	R	10	„	„	37 32 10	18 00 48	83 28 06.5	„
„	18 12 02.4	12 36 30.8	38 33 02.2	22 19.2	49 42.5	P	10	„	„	37 36 58.4	18 09 47.9	83 09 43.5	„
„	18 12 02.4	12 36 30.8	38 33 07	22 19.2	49 42.5	R	10	„	„	37 37 10	18 10 11	83 25 03.8	„
„	18 17 50.8	12 42 19.2	38 36 12	22 49.5	49 59.6	P	10	„	„	37 40 24.8	18 16 16	83 29 12	„
„	18 17 50.8	12 42 19	38 35 58	22 49.5	49 59.6	R	10	„	„	37 40 16.4	18 16 00	83 25 15.5	„
30	10 08 52.9	4 23 45	40 40 12	23 12.1	38 32.7	P	10	30.00	−30	39 56 34.8	9 56 18	83 08 15	αArietis East of ☾
„	10 08 52.9	4 23 45.1	40 39 53.5	23 12.1	38 32.7	R	10	„	„	39 56 21.8	9 56 43	83 14 28.5	„

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION, during the Winter of 1821, *continued.*

DATE. 1821.	Time by 259	Apparent Time.	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations.	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
	° ′ ″	° ′ ″	° ′ ″	′ ″	′ ″				°	° ′ ″	° ′ ″	° ′ ″	
Dec. 30	10 13 59	4 28 51.2	40 37 37	23 19	38 56.3	P	10	30.00	-30	39 53 38.2	10 01 29.2	83 09 30	α Arietis East of ☾
,,	10 13 59	4 28 51.1	40 37 26	23 19	38 56.3	R	10	,,	,,	39 53 47	10 01 15	83 05 58.2	,,
,,	10 28 07.3	4 42 59.1	40 30 46.6	23 32.6	39 59.7	P	10	,,	,,	39 45 46	10 15 20.6	83 05 22.5	,,
,,	10 28 07.3	4 42 59.1	40 30 33.8	23 32.6	39 59.7	H	10	,,	,,	39 45 39	10 15 35.8	83 09 10.5	,,
,,	10 35 09.3	4 50 01	40 27 22	23 38.3	40 30.9	P	10	,,	,,	39 41 48.6	10 22 18.8	83 04 27	,,
,,	10 35 09.4	4 50 01.1	40 27 08.5	23 38.3	40 30.9	H	10	,,	,,	39 41 43.4	10 22 30.9	83 07 27	,,
,,	10 44 13.4	4 59 04.9	40 23 36.2	23 42.9	41 10.1	H	10	,,	,,	39 37 27.9	10 30 00.9	82 44 00	,,
,,	10 44 13.4	4 59 05	40 23 02.5	23 42.9	41 10.1	R	10	,,	,,	39 36 51.6	10 31 04	82 59 45.3	,,
,,	10 49 22.9	5 04 14.3	40 20 48	23 44.1	41 31.8	H	10	,,	,,	39 34 14.9	10 35 40.8	82 51 34.5	,,
,,	10 49 23	5 04 14.4	40 20 07	23 44.1	41 31.8	R	10	,,	,,	39 33 31.6	10 36 56	83 10 24	,,
,,	10 57 06.8	5 11 58.1	40 16 25.6	23 44.5	42 04.5	P	10	,,	,,	39 29 05.4	10 44 42	83 10 58.5	,,
,,	10 57 07	5 11 58.3	40 15 48	23 44.5	42 04.5	R	10	,,	,,	39 28 34.2	10 45 42	83 25 54.7	,,
,,	11 01 57.7	5 16 48.9	40 13 53.7	23 44	42 25.2	P	11	,,	,,	39 26 09	10 49 52.6	83 15 55.5	,,
,,	11 01 57.8	5 16 49	40 13 23.6	23 44	42 25.2	R	11	,,	,,	39 25 45.4	10 50 39	83 27 29.7	,,
,,	11 10 08.8	5 24 59.8	40 10 14.7	23 41.5	42 55.7	H	10	,,	,,	39 21 59.3	10 57 16.5	83 04 10.5	,,
,,	11 10 08.8	5 24 59.9	40 10 12.6	23 41.5	42 55.8	P	10	,,	,,	39 21 49.2	10 57 28.5	83 07 09	,,
,,	11 15 12.4	5 30 03.3	40 07 31.7	23 39.2	43 12.2	H	10	,,	,,	39 18 55.9	11 02 39.4	83 09 01.5	,,
,,	11 15 12.4	5 30 03.3	40 07 50.1	23 39.2	43 12.2	P	10	,,	,,	39 19 04.8	11 02 18.5	83 03 48	,,
,,	11 22 58.6	5 37 49.4	40 03 43.7	23 34.3	43 37.5	H	10	,,	,,	39 14 32.3	11 10 36	83 11 39	,,
,,	11 22 58.6	5 37 49 4	40 03 27	23 34.3	43 37.5	R	10	,,	,,	39 14 11	11 11 01.5	83 18 02.2	,,
,,	11 27 38.4	5 42 29.1	40 01 32.8	23 30.8	43 52.7	H	10	,,	,,	39 11 59.1	11 14 53.4	83 06 04.5	,,
,,	11 27 38.5	5 42 29.1	40 01 08	23 30.8	43 52.7	R	10	,,	,,	39 11 32	11 15 41.5	83 18 06.5	,,
,,	11 35 22.2	5 50 12.7	39 57 10.5	23 23.4	44 16	R	10	,,	,,	39 06 58.4	11 23 44	83 22 49.2	,,
,,	11 35 22.2	5 50 12.9	39 57 59.1	23 23.4	44 16	P	10	,,	,,	39 07 41.4	11 22 21	83 02 03.5	,,
,,	11 39 13.8	5 54 04.2	39 55 43.9	23 19.1	44 26.9	P	10	,,	,,	39 05 09	11 26 49	83 11 14	,,
,,	11 39 13.8	5 54 04.2	39 54 51.5	23 19.1	44 26.8	R	10	,,	,,	39 04 22.2	11 28 20	83 33 57	,,

,,	12 34 26.9	6 49 16	39 28 34.6	21 37.9	46 11.1	P	10	,,	,,	38 34 13.6	12 21 22.2	83 01 33	,,
,,	12 34 27 3	6 49 16.4	39 28 08	21 37.9	46 11.1	H	10	,,	,,	38 33 50.3	12 22 03	83 11 39	,,
,,	12 41 46.1	6 56 35.1	39 24 56.4	21 18.5	46 17.1	H	10	,,	,,	38 30 09.9	12 28 30.9	82 58 57	,,
,,	12 42 47.5	6 57 36.7	39 24 09.1	21 15.8	46 18	P	10	,,	,,	38 29 06.4	12 30 22.7	83 11 30	,,
,,	12 53 35.2	7 08 24.1	39 18 31.5	20 45.8	46 24.3	R	10	,,	,,	38 22 53.2	12 41 20	83 13 58	,,
,,	12 53 35.4	7 08 24.2	39 18 39	20 45.8	46 24.3	H	10	,,	,,	38 23 06.4	12 40 56.4	83 08 03	,,
,,	12 57 56.9	7 12 45.7	39 15 27	20 33	46 25.5	R	10	,,	,,	38 19 34	12 47 10	83 36 03.6	,,
,,	12 57 57	7 12 45.7	39 15 53.3	20 33	46 25.5	H	10	,,	,,	38 20 04.4	12 46 16.4	83 22 40.5	,,
,,	13 09 45.3	7 24 34	39 10 26.5	19 55.5	46 25.1	P	10	,,	,,	38 13 41.4	12 57 30.4	83 14 06	,,
,,	13 09 45.9	7 24 34.5	39 09 43	19 55.4	46 25.1	R	10	,,	,,	38 13 05.4	12 58 34	83 29 52.8	,,
,,	13 16 06.5	7 30 55.1	39 07 21.4	19 33.9	46 23.5	P	10	,,	,,	38 10 17.6	13 03 29.1	83 08 30	,,
,,	13 16 07	7 30 55.5	39 06 30.2	19 33.9	46 23.5	R	10	,,	,,	38 09 30.3	13 04 52	83 29 07.5	,,
,,	13 27 05.7	7 41 54	39 01 52.5	18 55.1	46 18	P	10	,,	,,	38 04 06.4	13 14 22.3	83 07 04.5	,,
,,	13 27 06.4	7 41 54.5	39 01 36.2	18 55.1	46 18	H	10	,,	,,	38 04 07.3	13 14 20.5	83 06 30	,,
,,	13 32 52	7 47 40.2	38 58 48	18 33.8	46 13.9	P	10	,,	,,	38 00 43	13 20 31.3	83 12 48	,,
,,	13 32 52.5	7 47 40.5	38 58 32.3	18 33.8	46 13.9	H	10	,,	,,	38 00 35.1	13 20 28.6	83 12 01.5	,,
,,	13 41 28.1	7 56 16.1	38 53 33.2	18 00.7	46 03.6	R	10	,,	,,	37 55 19.6	13 29 48	83 22 58.5	,,
,,	13 41 28.2	7 56 16	38 53 34.8	18 00.7	46 03.6	H	10	,,	,,	37 55 24.5	13 29 40.1	83 21 00	,,
,,	13 47 36.4	8 02 24.2	38 50 40.5	17 36.1	45 53.9	R	10	,,	,,	37 52 00	13 35 40	83 18 56.2	,,
,,	13 47 36.4	8 02 24.1	38 50 47	17 36.1	45 53.8	H	10	,,	,,	37 52 12.5	13 35 18	83 13 28.5	,,
,,	13 56 45.1	8 11 32.7	38 46 11.3	16 58.5	45 37.1	P	10	,,	,,	37 47 00.8	13 44 26.2	83 13 22.5	,,
,,	13 56 45.5	8 11 33.2	38 45 57.5	16 58.5	45 37.1	R	10	,,	,,	37 46 52	13 44 46	83 18 11.2	,,
,,	14 03 06	8 17 53.5	38 42 37.2	16 31.6	45 23.9	P	10	,,	,,	37 43 11.4	13 51 09.8	83 19 04.5	,,
,,	14 03 06.1	8 17 53.7	38 42 17	16 31.6	45 23.9	R	10	,,	,,	37 42 56.4	13 51 34	83 25 04.5	,,
,,	14 13 55.2	8 28 42.6	38 36 59.5	15 44.5	44 58.4	H	10	,,	,,	37 37 22	14 01 24.3	83 10 25.5	,,
,,	14 13 55.2	8 28 42.6	38 37 06	15 44.5	44 58.4	P	10	,,	,,	37 37 13	14 01 40.2	83 14 25.5	,,
,,	14 20 03.1	8 34 50.4	38 33 29	15 17.4	44 42.7	H	10	,,	,,	37 33 41.1	14 07 52.7	83 15 34.5	,,
,,	14 20 03.1	8 34 50.4	38 33 36.7	15 17.4	44 42.9	P	10	,,	,,	37 33 31.4	14 08 10.2	83 19 57	,,
,,	14 30 16.8	8 45 03.6	38 27 45.1	14 30.3	44 15.6	R	10	,,	,,	37 27 34	14 18 38.5	83 23 44	,,
,,	14 30 16.8	8 45 03.6	38 27 52	14 30.3	44 15.6	H	10	,,	,,	37 27 47.1	14 18 15.4	83 17 57	,,
,,	14 35 17.2	8 50 03.9	38 24 46.7	14 06.6	44 01.7	R	10	,,	,,	37 24 26	14 24 08.5	83 31 11.1	,,
,,	14 35 17.3	8 50 04	38 25 02.9	14 06.6	44 01.7	H	10	,,	,,	37 24 46.9	14 23 32.4	83 22 06	,,

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION, during the Winter of 1821, *continued.*

DATE. 1821.	Time by 259	Apparent Time.	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
Dec. 31	10 01 40.3	4 15 59.3	27 01 21.8	27 56.3	38 10.4	P	10	29.72	-30	26 20 23.2	9 49 16.7	83 20 36	α Arietis East of ☾
,,	10 01 40.5	4 15 59.1	27 01 40	27 56.3	38 10.4	R	10	,,	,,	26 20 45	9 48 41	83 10 28.5	,,
,,	10 06 10	4 20 28.9	26 59 15	28 08.7	38 33.1	P	10	,,	,,	26 17 56.8	9 53 33 4	83 16 09	,,
,,	10 06 10.1	4 20 29	26 58 46.5	28 08.7	38 33.1	R	10	,,	,,	26 17 32.2	9 54 19	83 27 30.6	,,
,,	10 15 46.9	4 30 05.6	26 53 33.5	28 33.3	39 21.1	H	10	,,	,,	21 11 36.4	10 04 40.3	83 38 40.5	,,
,,	10 15 46.9	4 30 05.6	26 54 27.3	28 33.3	39 21.1	P	10	,,	,,	26 12 15.4	10 03 32	83 21 36	,,
,,	10 20 58.8	4 35 17.4	26 51 51.8	28 46	39 46.8	P	10	,,	,,	26 09 33.4	10 08 15.9	83 14 37.5	,,
,,	10 20 58.8	4 35 17.4	26 51 16.7	28 46	39 46.7	H	10	,,	,,	26 08 55.5	10 09 22.4	83 31 15	,,
,,	10 29 07	4 43 25.4	26 47 27.8	29 04.2	40 24.5	H	10	,,	,,	26 04 30.2	10 17 07.4	83 25 20	,,
,,	10 29 07.1	4 43 25.4	26 48 19	29 04.2	40 24.5	R	10	,,	,,	26 05 20.8	10 15 41	83 03 52.6	,,
,,	10 33 16.2	4 47 34.5	26 45 01.6	29 12.7	40 42.4	H	10	,,	,,	26 01 45.6	10 21 55.9	83 35 21	,,
,,	10 33 16.3	4 47 34.6	26 45 48.5	29 12.7	40 42.4	R	10	,,	,,	26 02 32.4	10 20 36	83 15 15.6	,,
,,	10 42 54.4	4 57 12.5	26 40 41.7	29 30.1	41 21.7	R	12	,,	,,	25 56 45.2	10 30 44	83 22 52.9	,,
,,	10 42 54.6	4 57 12.7	26 41 10	29 30.1	41 21.7	P	12	,,	,,	25 57 09.6	10 29 59.7	83 11 45	,,
,,	10 48 00.7	5 02 18.8	26 38 21	29 38.6	41 41.5	R	10	,,	,,	25 54 03.6	10 35 27	83 17 02.3	,,
,,	10 48 00.8	5 02 18.8	26 38 36.5	29 38.6	41 41.5	P	10	,,	,,	25 54 16	10 35 04	83 11 18	,,
,,	10 56 22	5 10 39.9	26 33 53.2	29 49.2	42 09.6	H	10	,,	,,	25 49 04.7	10 44 09.4	83 22 22.5	,,
,,	10 56 22.3	5 10 40.1	26 34 03.6	29 49.2	42 09.6	P	10	,,	,,	25 49 09.6	10 44 01.3	83 18 48	,,
,,	11 01 44.8	5 16 02.6	26 31 24.7	29 54.5	42 25.3	H	10	,,	,,	25 46 17.3	10 49 02.4	83 14 57	,,
,,	11 01 45.1	5 16 02.8	26 31 32.7	29 54.5	42 25.3	P	10	,,	,,	25 46 23	10 48 53.3	83 12 37.5	,,
,,	11 12 24.3	5 26 41.9	26 26 15	30 09.2	43 11.9	H	10	,,	,,	25 40 11	10 59 45.4	83 15 52.5	,,
,,	11 12 24.4	5 26 41.9	26 26 36.5	30 09.2	43 11.9	R	10	,,	,,	25 40 32.2	10 59 10.5	83 07 09	,,
,,	11 16 45.9	5 31 03.4	26 23 52.1	30 12.9	43 25.5	H	10	,,	,,	25 37 30.5	11 04 26.8	83 20 51	,,
,,	11 16 46	5 31 03.5	26 24 12.5	30 12.9	43 25.5	R	10	,,	,,	25 37 50	11 03 54	83 12 52.5	,,
,,	11 24 48.4	5 39 05.6	26 20 22.9	30 18.2	43 50.8	P	10	,,	,,	25 33 21.2	11 11 43.8	83 09 33	,,
,,	11 24 48.5	5 39 05.8	26 20 24	30 18.2	43 50.8	R	10	,,	,,	25 33 27.8	11 11 33	83 06 48	,,

„	11 29 22.2	5 43 39.4	26 17 58.2	30 20.5	44 05.3	H	10	„	„	25 30 38.4	11 16 29	83 12 24	„
„	11 29 22.3	5 43 39.4	26 17 58.4	30 20.5	44 05.3	P	10	„	„	25 30 47.2	11 16 13.2	83 08 27	„
„	11 33 34.5	5 47 51.6	26 15 28.1	30 22.5	44 18.7	H	10	„	„	25 27 51.2	11 21 22.2	83 22 39	„
„	11 33 34.6	5 47 51.6	26 16 13	30 22.5	44 18.7	R	10	„	„	25 28 33	11 20 08.5	83 04 09	„
1822.													
Jan. 2.	10 11 43.9	4 24 56.5	31 04 21.3	33 44.6	19 59.3	P	10	29.63	„	31 05 25.4	9 58 06.1	83 17 24	Aldebaran East of the ☾
„	10 16 05.4	4 29 18	31 02 26	34 05.8	20 25.6	P	10	„	„	31 03 08.6	10 02 07.3	83 12 19.5	„
„	10 20 06.1	4 33 18.6	31 00 34.9	34 25.3	20 49.9	P	10	„	„	31 01 00.2	10 05 57.9	83 09 49.5	„
„	10 28 21	4 41 33.4	30 55 29.7	35 04.8	21 39.3	H	10	„	„	30 55 17.2	10 16 09.1	83 38 55.5	„
„	10 32 31.5	4 45 43.8	30 53 28.2	35 22.2	22 01.2	H	10	„	„	30 53 00.6	10 20 12.8	83 37 15	„
„	10 36 13.7	4 49 26	30 51 41.9	35 39.8	22 23.2	H	10	„	„	30 50 59.1	10 23 49.4	83 35 51	„
„	10 44 04.5	4 57 16.5	30 48 46.9	36 16.6	23 13.1	P	10	„	„	30 47 14	10 30 31.1	83 18 37.5	„
„	10 47 29.4	5 00 41.3	30 47 10.9	36 30.5	23 33.5	P	10	„	„	30 45 32	10 33 33	83 12 55.5	„
„	10 50 38.1	5 02 49.9	30 45 42	36 42.7	23 56.3	P	10	„	„	30 43 37	10 36 58.4	83 32 07.5	„
„	10 58 31.4	5 11 43.1	30 42 02.3	37 15.1	24 38 7	P	10	„	„	30 39 26.4	10 44 25.2	83 10 31.5	„
„	11 02 31.5	5 15 43.1	30 39 57.7	37 31.1	25 01.9	P	10	„	„	30 37 01	10 48 45	83 15 28.5	„
„	11 05 53.7	5 19 05.2	30 38 19.4	37 44.6	25 21.4	P	10	„	„	30 35 06.2	10 52 10	83 16 12	„
„	11 15 05.7	5 28 17.8	30 33 17	38 19.7	26 13.5	H	10	„	„	30 29 20.1	11 02 26.5	83 32 19.5	„
„	11 20 11.5	5 33 22.9	30 30 48	38 38.3	26 44.7	H	10	„	„	30 26 26.7	11 07 36	83 33 30	„
„	11 24 24.8	5 37 36.1	30 28 33.8	38 53.8	27 05.1	H	10	„	„	30 23 51.9	11 12 12.8	83 39 10.5	„
„	11 32 21.2	5 45 32.4	30 25 04.7	39 21.7	27 49.8	H	10	„	„	30 19 41.4	11 19 39.6	83 31 48	„
„	11 35 47	5 48 58.1	30 23 37.3	39 33.4	28 09.3	H	10	„	„	30 17 56.2	11 22 47.4	83 27 19.5	„
„	11 39 06.5	5 52 08.5	30 21 57.2	39 44.7	28 28.3	H	10	„	„	30 15 57.6	11 26 19.4	83 32 43.5	„
6	12 39 52.9	6 50 55.6	62 31 35.9	32 31.1	46 25.3	P	10	29.82	–26	62 17 51	12 24 21.5	83 21 28.5	α Arietis West of ☾
„	12 39 53.2	6 50 55.7	62 30 58.8	32 31.1	46 25.3	H	10	„	„	62 17 00.2	12 22 56.4	83 00 10.5	„
„	12 46 56.3	6 57 58.9	62 35 28.4	33 11.2	46 23.9	P	10	„	„	62 21 40.8	12 30 46.7	83 11 57	„
„	12 46 56.6	6 57 59	62 34 53.2	33 11.2	46 23.9	H	11	„	„	62 21 12.1	12 29 58.6	82 59 54	„
„	12 56 57.1	7 07 59.5	62 41 00.2	34 07 9	46 19.9	P	10	„	„	62 27 38.6	12 40 46.5	83 11 45	„
„	12 56 57.4	7 07 59.6	62 40 45.5	34 07.9	46 19.9	H	10	„	„	62 27 29	12 40 30.5	83 07 43.5	„
„	13 03 00.3	7 14 02.5	62 44 00.7	34 42.1	46 15.8	P	10	„	„	62 30 56.6	12 46 18.2	83 03 55.5	„
„	13 03 00.6	7 14 02.7	62 43 44.5	34 42.1	46 15.8	H	10	„	„	62 30 46.4	12 46 01.4	82 59 40.5	„
„	13 10 54.6	7 21 56.7	62 48 30.1	35 25.6	46 08.8	P	10	„	„	62 35 50.4	12 54 31	83 08 34.5	„
„	13 10 54.7	7 21 56.7	62 48 21.3	35 25.6	46 08.8	H	10	„	„	62 35 46.3	12 54 24.3	83 06 54	„

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION, during the Winter of 1821—22, *continued.*

DATE. 1822.	Time by 259.	Apparent Time.	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
	° ′ ″	° ′ ″	° ′ ″	′ ″	′ ″				°	° ′ ″	° ′ ″	° ′ ″	
Jan. 31	12 55 11	6 56 12.4	46 22 00.3	49 16.7	39 38.5	P	10	30.00	−22	45 57 29	12 28 57.7	83 11 19.5	Pollux East of ☾
,,	12 55 11	6 56 12.2	46 21 52.3	49 16.7	39 38.5	H	10	,,	,,	45 57 34.2	12 28 48.7	83 09 07.5	,,
,,	13 00 34.6	7 01 35.8	46 19 20	49 18.4	40 08.5	H	10	,,	,,	45 54 29.9	12 34 02.5	83 06 40.5	,,
,,	13 00 34.7	7 01 36	46 22 00.3	49 18.4	40 08.5	P	10	,,	,,	45 54 35	12 33 53.7	83 04 25.5	,,
,,	13 08 11.6	7 09 12.7	46 14 54.5	49 20.3	40 50.7	R	10	,,	,,	45 49 16.8	12 42 55	83 25 34.8	,,
,,	13 08 11.7	7 09 12.9	46 14 59.1	49 20.3	40 50.7	H	10	,,	,,	45 49 26.8	12 42 38.4	83 21 22.5	,,
,,	13 12 23.9	7 13 25.1	46 12 57.7	49 21	41 13.7	H	10	,,	,,	45 47 01.3	12 46 46	83 20 13.5	,,
,,	13 12 23.9	7 13 25	46 12 53.7	49 21	41 13.7	R	10	,,	,,	45 46 51.2	12 47 03	83 24 30.7	,,
,,	13 19 51.8	7 20 52.8	46 09 46.5	49 21.1	41 54.5	R	10	,,	,,	45 43 01.2	12 53 34.5	83 10 24.7	,,
,,	13 19 51.9	7 20 52.9	46 09 57.9	49 21.1	41 54.6	P	10	,,	,,	45 43 15	12 53 11	83 04 33	,,
,,	13 24 48.5	7 25 49.5	46 07 15	49 20.4	42 21.3	R	10	,,	,,	45 40 02.3	12 58 38	83 12 07.5	,,
,,	13 24 48.6	7 25 49.6	46 07 11.4	49 20.4	42 21.3	P	10	,,	,,	45 40 00	12 58 42.9	83 13 39.5	,,
,,	13 31 58.3	7 32 59.4	46 03 16.3	49 18	42 59.2	H	10	,,	,,	45 35 27.8	13 06 26.4	83 21 45	,,
,,	13 31 58.4	7 32 59.4	46 03 44.1	49 18	42 59.2	P	10	,,	,,	45 35 52.8	13 05 43.5	83 11 01.5	,,
,,	13 36 55.2	7 37 56.3	46 01 10	49 15.3	43 24.7	H	10	,,	,,	45 32 54.5	13 10 47.3	83 12 45	,,
,,	13 36 55.4	7 37 56.3	46 01 32	49 15.3	43 24.7	P	10	,,	,,	45 33 14.8	13 10 12.3	83 04 01.5	,,
,,	13 44 03.4	7 45 04.4	45 57 35.6	49 08.4	44 01	H	10	,,	,,	45 28 39.6	13 18 01.3	83 14 13.5	,,
,,	13 44 03.4	7 45 04.4	45 57 20	49 08.4	44 01	R	10	,,	,,	45 28 18.6	13 18 36.5	83 23 01.3	,,
,,	13 48 34	7 49 35	45 55 28.8	49 02.1	44 23.6	R	10	,,	,,	45 25 59.2	13 22 34	83 14 45	,,
,,	13 48 34	7 49 35	45 55 32.1	49 02.1	44 23.6	H	10	,,	,,	45 26 09.5	13 22 16.5	83 10 22.6	,,
,,	13 56 34	7 57 34.8	45 51 34.2	48 49.7	45 02.9	R	12	,,	,,	45 21 18.4	13 30 31	83 14 02.2	,,
,,	13 57 10.5	7 58 11.3	45 51 29.1	48 48.8	45 05.8	P	10	,,	,,	45 21 12	13 30 42.5	83 07 48	,,
,,	14 01 17.4	8 02 18.1	45 49 31.9	48 41.9	45 25.8	P	10	,,	,,	45 18 52	13 34 40.7	83 05 39	,,
,,	14 01 17.4	8 02 18.3	45 49 29	48 41.9	45 25.8	R	10	,,	,,	45 18 46.2	13 34 50	83 07 55.5	,,
,,	14 08 53.9	8 09 54.8	45 45 59.9	48 28.7	46 02.2	H	10	,,	,,	45 14 39.7	13 41 50.9	82 59 01.5	,,
,,	14 08 53.9	8 09 54.6	45 45 43.9	48 28.7	46 02.2	P	10	,,	,,	45 14 15	13 42 32.1	83 09 22.5	,,

,,	14 14 13.9	8 15 14.8	45 42 31.4	48 19.2	46 27.5	H	10	,,	,,	45 10 40.4	13 48 38	83 21.00	,,
,,	14 14 14.1	8 15 14.7	45 42 55.1	48 19.2	46 27.5	P	10	,,	,,	45 11 04	13 47 57.3	83 10 39	,,
,,	14 23 02.4	8 24 03.2	45 38 48.3	48 00.3	47 06	H	10	,,	,,	45 06 07.4	13 56 23	83 04 57	,,
,,	14 23 02.4	8 24 03.1	45 38 44.5	48 00.3	47 06	R	10	,,	,,	45 06 04	13 56 29	83 06 25	,,
,,	14 28 18.2	8 29 19	45 36 28	47 47.5	47 27.4	R	10	,,	,,	45 03 17.8	14 01 11.5	82 58 08.2	,,
,,	14 28 18.3	8 29 19.1	45 36 20.2	47 47.5	47 27.4	H	10	,,	,,	45 03 10.4	14 01 24.6	83 01 22.5	,,
,,	14 37 27	8 38 27.4	45 31 34.1	47 23.6	48 04.3	P	10	,,	,,	44 57 32	14 11 00.4	83 08 15	,,
,,	14 37 27.1	8 38 27.7	45 31 34.5	47 23.6	48 04.3	R	10	,,	,,	44 57 35	14 10 54.5	83 06 42.1	,,
,,	14 42 09.7	8 43 10.3	45 29 17.5	47 10.6	48 23.2	R	10	,,	,,	44 54 51.8	14 15 32.5	83 05 33.3	,,
,,	14 42 09.7	8 43 10.1	45 29 20.9	47 10.6	48 23.2	P	10	,,	,,	44 54 51	14 15 34.3	83 06 03.5	,,
,,	14 49 34.4	8 50 35.1	45 25 31.1	46 48.6	48 51.2	P	10	,,	,,	44 50 19.6	14 23 16.3	83 10 19.5	,,
,,	14 49 34.4	8 50 35	45 25 27.1	46 48.6	48 51.2	H	10	,,	,,	44 50 19.2	14 23 16.6	83 10 24	,,
,,	14 54 27.1	8 55 27.7	45 23 12.9	46 33.2	49 08.4	H	10	,,	,,	44 47 38.3	14 27 50.8	83 05 46.5	,,
,,	14 54 27.1	8 55 27.8	45 23 14.9	46 33.2	49 08.4	P	10	,,	,,	44 47 37.2	14 27 52.7	83 06 13.5	,,
,,	15 02 31.9	9 03 32.4	45 19 34.2	46 06.9	49 35.3	H	10	,,	,,	44 43 16.5	14 35 16.5	82 56 01.5	,,
,,	15 02 31.9	9 03 32.4	45 19 28.5	46 06.9	49 35.3	R	10	,,	,,	44 43 12.8	14 35 22.5	82 57 31.2	,,
,,	15 07 23.8	9 08 24.3	45 17 16.7	45 50.6	49 50.6	R	10	,,	,,	44 40 36.2	14 39 50.5	82 51 36.6	,,
,,	15 07 23.8	9 08 24.3	45 17 18.2	45 50.6	49 50.6	H	10	,,	,,	44 40 36.1	14 39 49.5	82 51 18	,,
,,	15 14 41.9	9 15 42	45 12 47.3	45 24.5	50 12.5	P	10	,,	,,	44 35 24.4	14 48 40.2	83 14 34.5	,,
,,	15 14 42.1	9 15 42.4	45 12 50.5	45 24.5	50 12 5	R	10	,,	,,	45 35 32.2	14 48 27	83 11 09	,,
,,	15 18 54.7	9 19 54.8	45 11 05.5	45 08.2	50 24.5	P	10	,,	,,	44 33 20	14 52 11.8	83 04 15	,,
,,	15 18 54.9	9 19 55.2	45 10 53.5	45 08.3	50 24.5	R	10	,,	,,	44 33 12.8	14 52 25	83 07 27	,,
,,	15 22 52.7	9 23 53.2	45 09 23.2	44 53	50 35.7	P	10	,,	,,	44 31 16.4	14 55 42.5	82 57 21	,,
,,	15 22 52.7	9 23 53.1	45 09 16.5	44 53	50 35.7	R	10	,,	,,	44 31 06.6	14 56 02.5	83 02 24.3	,,
,,	15 29 11.8	9 30 12.2	45 05 57.2	44 26.9	50 52.7	H	10	,,	,,	44 27 20.3	15 02 24.2	83 03 00	,,
,,	15 29 11.8	9 30 12.3	45 06 01.6	44 26.9	50 52.7	P	10	,,	,,	44 27 22.8	15 02 19.9	83 01 53.5	,,
,,	15 33 15.7	9 34 16.1	45 04 02	44 09.2	51 03.1	H	10	,,	,,	44 25 02.6	15 06 18.7	83 00 39	,,
,,	15 33 15.8	9 34 16.2	45 04 08	44 09.2	51 03.1	P	10	,,	,,	44 24 59.4	15 06 24.7	83 02 07.5	,,
,,	15 37 15.1	9 38 15.4	45 02 11.7	43 51.9	51 13.4	H	10	,,	,,	44 22 49.9	15 10 04.7	82 57 19.5	,,
,,	15 37 15.3	9 38 15.6	45 02 06.3	43 51.9	51 13.4	P	10	,,	,,	44 22 43	15 10 16.3	83 00 10.5	,,
,,	15 44 21.8	9 45 22.1	44 57 51	43 21.1	51 28.7	H	10	,,	,,	44 17 52.2	15 18 31.4	83 17 19.5	,,
,,	15 44 21.8	9 45 22	44 57 41	43 21.1	51 28.7	R	10	,,	,,	44 17 46.8	15 18 40.5	83 19 36.6	,,

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION, during the Winter of 1821—22, *continued.*

DATE, 1822.	Time by 259	Apparent Time.	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
Jan. 31	15 48 16.9	9 49 17.1	44 55 54	43 04.2	51 35.3	R	10	30.00	−22	44 15 41	15 22 15	83 14 43.5	Pollux East of ☾
,,	15 48 16.9	9 49 17.2	44 56 06.4	43 04.2	51 35.3	H	10	,,	,,	44 15 49.8	15 21 59.8	83 10 39	,,
,,	15 52 29.1	9 53 29.3	44 54 08.4	42 46.1	51 42.2	H	10	,,	,,	44 13 32.8	15 25 53	83 05 55.5	,,
,,	15 52 29.1	9 53 29.3	44 54 08.7	42 46.1	51 42.2	R	10	,,	,,	44 13 37	15 25 46	83 04 10.2	,,
Feb. 4	12 51 29.8	6 51 40.9	53 54 46	30 31.1	39 50.7	R	10	29.80	−35	53 47 36.4	12 23 18	82 54 16.5	Aldebaran West of ☾
,,	12 51 29.9	6 51 41.1	53 55 17.9	30 31.1	39 50.7	P	10	,,	,,	53 48 03.4	12 24 06.7	83 06 24	,,
,,	12 56 05.8	6 56 17	53 58 07.7	30 56.3	39 53.5	P	10	,,	,,	53 51 02.2	12 29 28	83 17 46.5	,,
,,	12 56 05.8	6 56 16.9	53 57 30	30 56.3	39 53.5	R	10	,,	,,	53 50 32.6	12 28 34.5	83 04 24	,,
,,	13 00 18.6	7 00 29.8	54 00 11.5	31 19.5	39 56.1	P	10	,,	,,	53 53 21.4	12 33 37.7	83 16 58.5	,,
,,	13 00 18.7	7 00 29.8	53 59 52	31 19.5	39 56.1	R	10	,,	,,	53 53 05.6	12 33 09.5	83 09 55.5	,,
,,	13 07 46.9	7 07 57.9	54 02 35.6	31 59.4	39 58.1	H	10	,,	,,	53 56 15.1	12 38 50	82 43 01.5	,,
,,	13 07 47	7 07 58.2	54 03 44.4	31 59.4	39 58.1	P	10	,,	,,	53 57 14	12 40 35.7	83 09 22.5	,,
,,	13 12 46.2	7 12 57.1	54 06 13.1	32 25.7	39 58.3	H	10	,,	,,	54 00 05.5	12 45 44	83 11 43.5	,,
,,	13 12 46.4	7 12 57.4	54 06 13.2	32 25.6	39 58.3	P	10	,,	,,	54 00 00	12 45 34	83 09 12.5	,,
,,	13 17 56.4	7 18 07.3	54 08 51.3	32 52.8	39 58.6	H	10	,,	,,	54 02 59.6	12 50 56.7	83 12 21	,,
,,	13 17 56.4	7 18 07.5	54 08 50.9	32 52.8	39 58.6	P	10	,,	,,	54 02 53	12 50 44.8	83 09 19.5	,,
,,	13 26 12.1	7 26 23.1	54 13 16.5	33 35.8	39 56.2	R	10	,,	,,	54 07 48	12 59 35	83 17 58.5	,,
,,	13 26 12.3	7 26 23.2	54 13 38.1	33 35.8	39 56.2	H	10	,,	,,	54 08 16.6	13 00 26	83 30 42	,,
,,	13 31 11.9	7 31 22.9	54 15 41	34 01.5	39 53.1	R	10	,,	,,	54 10 30.1	13 04 26	83 15 46.5	,,
,,	13 31 12	7 31 22.9	54 15 48.8	34 01.6	39 53.1	H	10	,,	,,	54 10 41	13 04 45.5	83 20 39	,,
,,	13 36 24.7	7 36 35.6	54 18 13	34 28.4	39 50	R	10	,,	,,	54 13 20.4	13 09 31	83 14 20.2	,,
,,	13 36 24.7	7 36 35.6	54 18 21.3	34 28.4	39 50	H	10	,,	,,	54 13 31.7	13 09 52.3	83 19 10.5	,,
,,	13 55 42.4	7 55 53.4	54 27 20.1	36 03.1	39 27	P	10	,,	,,	54 23 38.4	13 28 02.6	83 02 18	,,
,,	13 55 43.3	7 55 54.2	54 27 08.5	36 03.1	39 27	R	10	,,	,,	54 23 31.6	13 27 51	82 59 12	,,
,,	14 00 18.6	8 00 29.6	54 30 07.6	36 25.3	39 21.3	P	10	,,	,,	54 26 43.6	13 33 35.4	83 16 27	,,
,,	14 00 19.4	8 00 30.3	54 29 51	36 25.3	39 21.3	R	10	,,	,,	54 26 30.8	13 33 14	83 13 25.5	,,

„	14 04 34.5	8 04 45.5	54 32 07.9	36 45.8	39 16.1	P	10	„	„	54 29 00	13 37 40.7	83 13 52.5	„
„	14 04 34.8	8 04 45.7	54 32 14	36 45.8	39 16.1	R	10	„	„	54 29 08.6	13 38 06	83 20 04.5	„
„	14 12 06.1	8 12 17.1	54 35 45.1	37 21	39 03.2	P	10	„	„	54 33 07.4	13 45 05.4	83 12 06	„
„	14 12 06.1	8 12 16.8	54 35 47.1	37 21	39 03.2	H	10	„	„	54 33 16	13 45 20.7	83 15 58.5	„
„	14 16 38.2	8 16 48.9	54 37 53.3	37 41.7	38 53.4	H	10	„	„	54 35 43.2	13 49 45	83 14 01.5	„
„	14 16 38.5	8 16 49.4	54 38 01.5	37 41.7	38 53.4	P	10	„	„	54 35 43.6	13 49 46	83 14 09	„
„	14 21 25.4	8 21 36.1	54 40 12.3	38 03.5	38 43	H	10	„	„	54 38 24	13 54 34.2	83 14 31.5	„
„	14 21 25.8	8 21 36.6	54 40 24.8	38 03.5	38 42.9	P	10	„	„	54 38 30.4	13 54 45.5	83 17 13.5	„
„	14 30 02.1	8 30 12.8	54 45 08.5	38 40.4	38 22.1	H	10	„	„	54 43 58.6	14 04 35	83 35 33	„
„	14 30 02.2	8 30 13	54 44 51	38 40.4	38 22.1	R	10	„	„	54 43 37.2	14 03 57.5	83 26 07.5	„
„	14 34 11.7	8 34 22.4	54 47 02.5	38 57.4	38 11.1	H	10	„	„	54 46 11.7	14 08 34.8	83 33 06	„
„	14 34 11.9	8 34 22.7	54 46 48.5	38 57.4	38 11.1	R	10	„	„	54 45 53.6	14 08 02.5	83 24 57	„
„	14 39 21.3	8 39 32	54 49 05.2	39 18.4	37 57.6	H	10	„	„	54 48 39.1	14 13 00	83 22 00	„
„	14 39 21.4	8 39 32.2	54 48 55.5	39 18.3	37 57.6	R	10	„	„	54 48 24.4	14 12 32.5	83 15 04.5	„
5	12 46 41.1	6 46 42	67 16 23	20 48.2	39 50	P	10	„	-34	67 02 42.4	12 18 45.5	83 00 52.5	„
„	12 46 41.2	6 46 41.8	67 15 46	20 48.3	39 50	R	10	„	„	67 02 13.6	12 17 53	82 47 48	„
„	12 51 20.4	6 51 21.5	67 18 49.5	21 15.3	39 53.8	R	10	„	„	67 05 22.4	12 23 36	83 03 59.2	„
„	12 51 20.4	6 51 21.3	67 19 17.3	21 15.3	39 53.8	P	10	„	„	67 05 40.6	12 24 09.4	83 12 03	„
„	12 55 18	6 55 18.9	67 21 26.7	21 38.4	39 57	P	10	„	„	67 07 55.4	12 28 14	83 13 46.5	„
„	12 55 18.1	6 55 18.7	67 21 13	21 38.4	39 57	R	10	„	„	67 07 51	12 28 06	83 11 49.5	„
„	13 03 34.5	7 03 35.3	67 25 50.6	22 24.8	39 59.2	P	10	„	„	67 12 34.6	12 36 41.5	83 16 33	„
„	13 03 34.5	7 03 35.1	67 25 22.3	22 24.8	39 59.2	H	10	„	„	67 12 11.4	12 35 59.4	83 06 04.5	„
„	13 08 25.7	7 08 26.3	67 28 26.5	22 51.4	39 58.7	H	10	„	„	67 15 25	12 41 51.2	83 21 13.5	„
„	13 08 25.8	7 08 26.6	67 28 47.1	22 51.4	39 58.7	P	10	„	„	67 15 39.6	12 42 17.8	83 27 48	„
„	13 13 32.5	7 13 33.1	67 31 11.2	23 19.3	39 58.1	H	10	„	„	67 18 18.9	12 47 07.4	83 23 34.5	„
„	13 13 32.6	7 13 33.3	67 31 05.2	23 19.3	39 58.1	P	10	„	„	67 18 06.4	12 46 44.7	83 17 51	„
„	13 22 14.6	7 22 15.2	67 36 04	24 07.3	39 55.2	H	10	„	„	67 23 28.7	12 56 30.3	83 33 46.5	„
„	13 22 14.7	7 22 15.2	67 35 59.5	24 07.3	39 55.2	R	10	„	„	67 23 24.8	12 56 24.5	83 32 12.3	„
„	13 26 37.7	7 26 38.2	67 37 54.5	24 31.7	39 53	R	10	„	„	67 25 30.1	13 00 11	83 23 12.3	„
„	13 26 37.7	7 26 38.2	67 37 53.6	24 31.7	39 53	H	10	„	„	67 25 29.3	13 00 09.7	83 22 52.5	„
„	13 31 38.2	7 31 38.7	67 40 09.2	24 59.6	39 50.5	H	10	„	„	67 27 56.3	13 04 36.9	83 14 33	„
„	13 31 38.2	7 31 38.7	67 40 02.5	24 59.7	39 50.5	R	10	„	„	67 27 48	13 04 21	83 10 34.5	„

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION during the Winter of 1821—22, *continued.*

DATE. 1822.	Time by 259	Apparent Time.	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
	° ′ ″	° ′ ″	° ′ ″	′ ″	′ ″					° ′ ″	° ′ ″	° ′ ″	
Feb. 5	13 40 13.2	7 40 13.9	67 44 35.5	25 47.6	39 43.4	P	10	29.80	-34	67 32 36.4	13 13 06.1	83 13 04.5	Aldebaran W. of ☾
„	13 40 13.2	7 40 13.7	67 44 12.5	25 47.6	39 43.4	R	10	„	„	67 32 19	13 12 35	83 05 19.9	„
„	13 44 22	7 44 22.7	67 47 00.6	26 10.9	39 38.4	P	10	„	„	67 35 13	13 17 15.8	83 07 03.5	„
„	13 44 22	7 44 22.5	67 46 36	26 10.9	39 38.4	R	10	„	„	67 34 54.6	13 17 18	83 13 52.5	„
„	13 52 40.3	7 52 40.7	67 51 14.5	26 55.1	39 27.9	H	10	„	„	67 39 54.5	13 26 22.5	83 25 27	„
„	13 52 40.4	7 52 41.1	67 51 18 3	26 55	39 27.9	P	10	„	„	67 39 54.6	13 26 22.4	83 25 19.5	„
„	13 57 17.4	7 57 17.8	67 53.35	27 18.6	39 21.8	H	10	„	„	67 42 28.5	13 31 02.4	83 26 09	„
„	13 57 17.6	7 57 18	67 53 31	27 18.5	39 21.8	P	10	„	„	67 42 18.4	13 30 44	83 21 30	„
„	14 05 06.9	8 05 07.3	67 57 39.8	27 58.8	39 09.6	H	10	„	„	67 46 56.7	13 39 10	83 30 40.5	„
„	14 05 07	8 05 07.4	67 57 27.5	27 58.8	39 09.6	R	10	„	„	67 46 42.4	13 38 45	83 24 24	„
„	14 09 33.8	8 09 34.2	67 59 31.5	28 22	39 01.6	H	10	„	„	67 49 01.7	13 42 56.8	83 20 39	„
„	14 09 33.9	8 09 34.3	67 59 26	28 22	39 01.6	R	10	„	„	67 48 55	13 42 46	83 17 55.5	„
24	29 24 36.3	23 23 41.6	51 08 09	26 46.5	14 28.7	P	10	30.00	-28	51 44 46	28 56 17.7	83 09 00	☉ West of ☾
„	29 24 36.8	23 23 42.1	51 08 27.5	26 46.5	14 28.7	R	10	„	„	51 45 07	28 56 57	83 18 36	„
„	29 27 08.4	23 26 13.7	51 09 24.7	27 00	14 31	P	10	„	„	51 46 15	28 58 57.5	83 10 57	„
„	29 27 08.8	23 26 14.1	51 09 43	27 00	14 31	R	10	„	„	51 46 28.1	28 59 22	83 16 58.5	„
„	29 29 40.5	23 28 45.8	51 10 26.7	27 13.6	14 33.3	P	10	„	„	51 47 18	29 00 50.4	83 01 09	„
„	29 29 40.8	23 28 46.1	51 10 45.2	27 13.6	14 33.3	R	10	„	„	51 47 38	29 01 26.5	83 10 05.7	„
„	29 34 18.1	23 33 23.4	51 13 16	27 38.7	14 36.8	H	10	„	„	51 50 29.1	29 06 32.5	83 17 16.5	„
„	29 34 24.2	23 33 29.5	51 12 53.5	27 39.3	14 36.9	P	10	„	„	51 49 58.4	29 05 37.8	83 01 48	„
„	29 37 08.9	23 36 14.3	51 14 19	27 54.4	14 38.6	H	10	„	„	51 51 41.2	29 08 41.5	83 06 48	„
„	29 37 27.1	23 36 32.4	51 14 17.4	27 56.1	14 38.8	P	10	„	„	51 51 34	29 08 29	82 59 07.9	„
„	29 40 24.4	23 39 29.8	51 16 02.3	28 12.3	14 40.6	H	11	„	„	51 53 34	29 12 03.6	83 08 27	„
„	29 40 33.4	23 39 38.8	51 16 03.5	28 13.2	14 40.7	P	10	„	„	51 53 28.6	29 11 54.3	83 03 51.7	„
„	29 45 07.5	23 44 12.9	51 19 12.2	28 37.3	14 43.1	H	10	„	„	51 56 57.8	29 18 08.8	83 28 58.5	„
„	29 45 07.5	23 44 13	51 19 10	28 37.3	14 43 1	R	10	„	„	51 56 48	29 17 52.5	83 24 52.5	„

,,	29	47	34.2	23	46	39.7	51	20	26.5	28	49.6	14	44.1	R	10	,,	,,	51 58 13	29 20 26.5	83 26 41.7	,,
,,	29	47	34.2	23	46	39.6	51	20	34.6	28	49.6	14	44.1	H	10	,,	,,	51 58 27.7	29 20 48.6	83 32 15	,,
,,	29	49	53.1	23	48	58.5	51	21	50.7	29	01.3	14	45.1	H	10	,,	,,	51 59 50.3	29 23 18	83 34 52.5	,,
,,	29	49	53.1	23	48	58.6	51	21	41	29	01.3	14	45.1	R	10	,,	,,	51 59 34.6	29 22 52.5	83 27 58.2	,,
,,	29	55	08	23	54	13.5	51	24	15	29	28.6	14	46.6	R	11	,,	,,	52 02 25.2	29 27 56.5	83 25 45.6	,,
,,	29	55	16.4	23	54	21.9	51	23	36.5	29	29.4	14	46.6	P	10	,,	,,	52 01 47.4	29 26 48	83 05 31.5	,,
,,	29	57	20.9	23	56	26.4	51	24	45.6	29	40.6	14	46.9	P	10	,,	,,	52 03 06.4	29 29 09.4	83 10 45.1	,,
,,	29	57	20.9	23	56	26.4	51	25	16.5	29	40.6	14	46.9	R	10	,,	,,	52 03 35.2	29 30 01.5	83 23 46.5	,,
,,	29	59	20.4	23	58	25.9	51	25	58.5	29	51.4	14	47.1	R	10	,,	,,	52 04 25.6	29 31 33.5	83 16 54	,,
,,	29	59	20.4	23	58	25.9	51	25	33.2	29	51.4	14	47.1	P	10	,,	,,	52 04 01	29 30 47.6	83 05 25.5	,,
25	6	11	09.7	0	10	15.3	51	31	39.9	30	46.4	14	45.5	P	10	,,	,,	52 10 47	5 42 55	83 09 54.1	,,
,,	6	11	09.8	0	10	15.4	51	31	22	30	46.4	14	45.5	H	10	,,	,,	52 10 33.1	5 42 29.5	83 03 31.5	,,
,,	6	13	37.1	0	12	42.7	51	32	46.2	30	57.9	14	44.7	P	10	,,	,,	52 12 03.4	5 45 12	83 07 19.5	,,
,,	6	13	37.3	0	12	42.9	51	32	42	30	57.9	14	44.7	H	10	,,	,,	52 12 01.8	5 45 08.4	83 06 22.5	,,
,,	6	16	10.8	0	15	16.4	51	34	04.3	31	09.9	14	43.9	P	10	,,	,,	52 13 31	5 47 49	83 08 10	,,
,,	6	16	10.9	0	15	16.5	51	33	53.8	31	09.9	14	43.9	H	10	,,	,,	52 13 25	5 47 37.6	83 05 16.5	,,
,,	6	20	54.1	0	19	59.8	51	36	30	31	32	14	41.7	R	10	,,	,,	52 16 13	5 52 41.5	83 10 25.5	,,
,,	6	20	54.4	0	20	00.1	51	36	16.5	31	32	14	41.7	H	10	,,	,,	52 16 05.4	5 52 24.8	83 06 10.5	,,
,,	6	23	10.9	0	22	16.6	51	37	55.2	31	42.6	14	40.4	R	10	,,	,,	52 17 46.4	5 55 27.5	83 17 43.8	,,
,,	6	23	11.2	0	22	16.9	51	37	39.5	31	42.6	14	40.4	H	10	,,	,,	52 17 37.1	5 55 09.5	83 13 09	,,
,,	6	25	28.5	0	24	34.2	51	39	08	31	53.2	14	39.1	R	10	,,	,,	52 19 07.8	5 57 54	83 19 56.2	,,
,,	6	25	28.9	0	24	34.6	51	38	53.5	31	53.2	14	39.1	H	10	,,	,,	52 19 00.1	5 57 38.2	83 15 54	,,
,,	6	29	55.8	0	29	01.5	51	41	29.6	32	13.3	14	36.1	R	13	,,	,,	52 21 48.8	6 02 41	83 24 52.5	,,
,,	6	30	02.3	0	29	08	51	40	47.6	32	13.9	14	36	P	12	,,	,,	52 21 07.4	6 01 26.3	83 04 35	,,
,,	6	32	22.4	0	31	28.1	51	41	58.9	32	24.3	14	34.2	P	10	,,	,,	52 22 26.4	6 03 48.3	83 05 03	,,
,,	6	32	22.5	0	31	28.2	51	42	33.5	32	24.3	14	34.2	R	10	,,	,,	52 23 01	6 04 49.8	83 20 23.5	,,
,,	6	34	24.6	0	33	30.3	51	42	49.7	32	33.3	14	32.7	P	10	,,	,,	52 23 26.8	6 05 36.8	83 01 37.5	,,
,,	6	34	24.7	0	33	30.4	51	43	17.5	32	33.3	14	32.7	R	10	,,	,,	52 33 54.4	6 06 28	83 14 24.9	,,
,,	6	38	32.1	0	37	37.9	51	45	02.3	32	51.6	14	28.8	P	10	,,	,,	52 25 55.6	6 10 03	83 06 16.5	,,
,,	6	38	32.6	0	37	38.4	51	44	57.7	32	51.6	14	28.8	H	10	,,	,,	52 26 00	6 10 11	83 08 09	,,
,,	6	41	02.5	0	40	08.3	51	46	34.3	33	02.6	14	26.2	P	10	,,	,,	52 27 40.4	6 13 11	83 15 32.5	,,
,,	6	41	03	0	40	08.8	51	46	19.2	33	02.6	14	26.2	H	10	,,	,,	52 27 34	6 12 59.5	83 12 40.5	,,

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION during the Winter of 1821—22, *continued.*

DATE. 1822.	Time by 259	Apparent Time.	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
	° ′ ″	° ′ ″	° ′ ″	′ ″	′ ″				°	° ′ ″	° ′ ″	° ′ ″	
Feb. 25	6 43 39.2	0 42 45	51 47 49.7	33 14.2	14 23.4	P	10	30.00	−28	52 29 08	6 15 48	83 15 45	⊙ West of ☾
,,	6 43 39.6	0 42 45.4	51 47 40	33 14.2	14 23.4	H	10	,,	,,	52 29 06.4	6 15 45.1	83 14 55.5	,,
,,	6 48 10.1	0 47 15.9	51 50 31.5	33 33.2	14 18.1	R	10	,,	,,	52 32 07.2	6 21 09	83 28 16.3	,,
,,	6 48 10.5	0 47 16.3	51 50 16	33 33.2	14 18.1	H	10	,,	,,	52 32 02.6	6 21 00.8	83 26 04.5	,,
,,	6 50 23.6	0 49 29.5	51 51 34	33 42.2	14 15.1	R	10	,,	,,	52 33 20.5	6 23 20.3	83 27 41.7	,,
,,	6 50 24.1	0 49 29.9	51 51 08	33 42.2	14 15.1	H	10	,,	,,	52 33 05.7	6 22 53.9	83 21 00	,,
,,	6 52 30.9	0 50 36.8	51 52 26	33 50.7	14 12.4	R	10	,,	,,	52 34 22.2	6 25 11	83 23 32.8	,,
,,	6 52 31.5	0 51 37.4	51 52 05.3	33 50.7	14 12.4	H	10	,,	,,	52 34 12.1	6 24 52.9	83 18 52.5	,,
,,	6 58 54.6	0 58 00.5	51 54 53.2	34 15.2	14 03.3	P	10	,,	,,	52 37 20.8	6 30 31.2	83 07 40.5	,,
,,	6 58 54.7	0 58 00.6	51 54 49.5	34 15.2	14 03.3	R	10	,,	,,	52 37 15.6	6 30 20	83 05 21.3	,,
,,	7 00 53.9	0 59 59.8	51 55 51	34 21.3	14 00.2	P	10	,,	,,	52 38 25	6 32 26.1	83 06 34.5	,,
,,	7 00 53.9	0 59 59.8	51 55 48	34 21.3	14 00.2	R	10	,,	,,	52 38 22.2	6 32 21.5	83 05 25.3	,,
,,	7 02 56.1	1 02 02	51 56 47.7	34 29.6	13 57	R	11	,,	,,	52 39 31.2	6 34 25	83 05 44.4	,,
,,	7 02 56.2	1 02 02.1	51 56 50	34 29.6	13 57	P	11	,,	,,	52 39 31	6 34 24.4	83 05 34.5	,,
,,	7 08 06	1 07 12	51 59 58	34 49.6	13 48.1	H	10	,,	,,	52 43 17.7	6 41 10.6	83 29 39	,,
,,	7 08 11.6	1 07 17.5	51 59 25	34 50	13 47.9	P	10	,,	,,	52 42 35.6	6 39 55.3	83 09 27	,,
,,	7 10 36.7	1 09 42.5	52 00 40.4	34 58.8	13 43.5	P	10	,,	,,	52 44 08.4	6 42 41.7	83 14 47	,,
,,	7 10 37	1 09 43	52 00 26.9	35 00.8	13 43.5	H	10	,,	,,	52 44 10.3	6 42 45.2	83 15 33	,,
,,	7 13 28.3	1 12 34.3	52 01 49.7	35 11.5	13 38.3	P	10	,,	,,	52 45 29.6	6 45 07.3	83 08 15	,,
,,	7 13 28.6	1 12 34.6	52 01 41.5	35 11.5	13 38.3	H	10	,,	,,	52 45 29.7	6 45 07.1	83 08 07.5	,,
,,	7 20 48.1	1 19 54.2	52 05 25.5	35 38.1	13 23.8	R	10	,,	,,	52 49 40.4	6 52 36.5	83 10 37.5	,,
,,	7 20 48.5	1 19 54.5	52 05 31.3	35 38.1	13 23.8	H	10	,,	,,	52 49 58.6	6 53 09.1	83 LS 39	,,
,,	7 22 59.6	1 22 05.7	52 06 29.5	35 45.1	13 19.3	R	10	,,	,,	52 50 55.6	6 54 51	83 11 18.5	,,
,,	7 23 00	1 22 06.1	52 06 26.4	35 45.1	13 19.3	H	10	,,	,,	52 51 03.6	6 55 05.5	83 14 51	,,
,,	7 25 12.4	1 24 18.5	52 07 32.5	35 52.1	13 14.6	R	10	,,	,,	52 52 08.8	6 57 03	83 11 08.1	,,
,,	7 25 12.8	1 24 18.9	52 07 30.7	35 52.1	13 14.6	H	10	,,	,,	52 52 19.2	6 57 21	83 15 31.5	,,

„	7 31 01	1 30 07 1	52 10 46.4	36 11.1	13 01.7	R	11	„	„	52 55 57.2	7 03 52	83 26 13.7	„
„	7 31 01.1	1 30 07.1	52 10 17	36 11.1	13 01.7	P	10	„	„	52 55 26	7 02 55.7	83 12 01.2	„
„	7 32 53.9	1 31 59.9	52 11 36	36 17.5	12 57.1	R	10	„	„	52 56 54	7 05 34	83 23 31.2	„
„	7 32 54	1 32 00.1	52 11 13	36 17.5	12 57.1	P	10	„	„	52 56 34	7 04 57.7	83 14 24	„
„	7 34 53.7	1 33 59.8	52 12 22	36 24.3	12 52.2	R	10	„	„	52 57 51	7 07 16	83 19 02.2	„
„	7 34 54	1 34 00.1	52 12 00.5	36 24.3	12 52.2	P	10	„	„	52 57 31.6	7 06 41	83 10 13.5	„
„	7 40 07.1	1 39 13.3	52 14 43.9	36 39.9	12 38.9	H	10	„	„	53 00 51	7 12 38.2	83 21 13.5	„
„	7 40 07.2	1 39 13.3	52 14 32	36 39.9	12 38.9	P	10	„	„	53 00 30.8	7 12 01.9	83 12 09	„
„	7 42 50.7	1 41 56.9	52 15 38.3	36 47.2	12 31.9	H	10	„	„	53 02 00.4	7 14 43	83 11 31.5	„
„	7 42 50.9	1 41 57	52 15 48	36 47	12 31.9	P	10	„	„	53 02 03.6	7 14 51.9	83 13 43.5	„
„	7 45 44.8	1 44 51	52 16 53	36 54.9	12 24.4	H	10	„	„	53 03 30.8	7 17 24.5	83 08 22.5	„
„	7 45 45.5	1 44 51.7	52 17 11.9	36 54.9	12 24.5	P	10	„	„	53 03 43.6	7 17 47.7	83 14 00	„
„	7 52 43.4	1 51 49.7	52 20 40	37 13.4	12 05.4	R	10	„	„	53 07 50.4	7 25 10	83 19 49.9	„
„	7 52 43.6	1 51 49.9	52 20 50	37 13.4	12 05.4	H	10	„	„	53 08 07	7 25 39.5	83 27 24	„
„	7 54 58.7	1 54 05	52 21 40.5	37 19.3	11 59.1	R	10	„	„	53 09 03.4	7 27 21	83 18 59.2	„
„	7 54 59	1 54 05.3	52 21 51.8	37 19.3	11 59.1	H	10	„	„	53 09 21.7	7 27 53.5	83 27 03	„
„	7 57 21.2	1 56 27.5	52 22 43.5	37 25.5	11 52.3	R	10	„	„	53 10 20.4	7 29 39	83 17 52	„
„	7 57 21.5	1 56 27.8	52 22 52	37 25.5	11 52.3	H	10	„	„	53 10 37.7	7 30 09.8	83 25 30	„
27	27 32 30.6	21 31 47.8	90 05 44.7	11 44.6	11 09.4	P	10	29.71	-30	90 28 44	27 04 43	83 13 48	„
„	27 32 30.7	21 31 47.9	90 05 44.5	11 44.6	11 09.4	R	10	„	„	90 28 45.4	27 04 45.6	83 14 24.7	„
„	27 34 34.4	21 33 51.6	90 06 49	11 53.4	11 16.9	R	10	„	„	90 29 43	27 06 31.5	83 09 57.9	„
„	27 34 34.4	21 33 51.6	90 07 04	11 53.4	11 16.9	P	10	„	„	90 29 56	27 06 55.5	83 15 58.5	„
„	27 36 32.7	21 35 50	90 08 17.8	12 01.8	11 24	P	10	„	„	90 31 01	27 08 55	83 16 15	„
„	27 36 32.7	21 35 50	90 08 02.5	12 01.8	11 24	R	10	„	„	90 30 48	27 08 31	83 10 14.7	„
„	27 44 42.6	21 43 59.9	90 12 01.9	12 39.1	11 51.5	H	10	„	„	90 34 26.3	27 15 12.3	82 48 06	„
„	27 44 42.7	21 44 00	90 12 55.9	12 39.1	11 51.5	P	10	„	„	90 35 11	27 16 34.5	83 08 37	„
„	27 47 27.9	21 46 45.2	90 13 43	12 52	12 00.4	H	10	„	„	90 35 59.2	27 18 03	82 49 27	„
„	27 47 28.1	21 46 45.5	90 14 34.1	12 52	12 00.4	P	10	„	„	90 36 39	27 19 16.2	83 07 40.5	„
„	27 50 00.9	21 49 18.2	90 16 03.7	13 04.1	12 08.7	H	10	„	„	90 38 10.1	27 22 03.9	83 06 25.5	„
„	27 50 01.1	21 49 18.5	90 16 20	13 04.1	12 08.7	P	10	„	„	90 38 16	27 22 14.5	83 14 00	„
„	27 54 58.1	21 54 15.5	90 18 52.8	13 27.9	12 24.9	H	10	„	„	90 40 43.1	27 26 44.9	83 07 21	„
„	27 54 58.1	21 54 15.4	90 18 52	13 27.9	12 24.9	R	10	„	„	90 40 33	27 26 26.3	83 02 43.5	„

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION during the Winter of 1821—22, *continued.*

DATE. 1822.	Time by 259	Apparent Time.	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
	° ′ ″	° ′ ″	° ′ ″	′ ″	′ ″				°	° ′ ″	° ′ ″	° ′ ″	
Feb. 27	27 57 06	21 56 23.3	90 20 07	13 38.4	12 31.9	R	10	29 71	-30	90 41 42	27 28 33.3	83 02 30	⊙ West of ☾
,,	27 57 06	21 56 23.4	90 20 11	13 38.4	12 31.9	H	10	,,	,,	90 41 54.2	27 28 55.6	83 08 03	,,
,,	27 59 27.7	21 58 45.1	90 21 39.5	13 50.1	12 39.7	H	11	,,	,,	90 43 15	27 31 24.2	83 09 46.5	,,
,,	27 59 27.8	21 58 45.1	90 21 32	13 50.1	12 39.7	R	11	,,	,,	90 42 58	27 30 49	83 00 59.1	,,
,,	28 05 25.5	22 04 42.9	90 25 14.5	14 19.2	12 58.4	R	10	,,	,,	90 46 22	27 37 08	83 06 16.9	,,
,,	28 05 25.6	22 04 43.1	90 25 46.8	14 19.1	12 58.4	P	10	,,	,,	90 46 50	27 37 59.5	83 19 05	,,
,,	28 07 57	22 07 14.4	90 26 27	14 31.3	13 05.8	R	10	,,	,,	90 47 25.6	27 39 03	82 57 08.7	,,
,,	28 07 57.1	22 07 14.6	90 27 02.3	14 31.3	13 05.8	P	10	,,	,,	90 47 58	27 40 04.4	83 12 29	,,
,,	28 10 05.2	22 09 22.8	90 27 39	14 41.6	13 12	R	9	,,	,,	90 48 31.2	27 41 05.8	82 55 42.9	,,
,,	28 10 05.4	22 09 23	90 28 18.8	14 41.6	13 12	P	10	,,	,,	90 49 08	27 42 13.2	83 12 33	,,
,,	28 15 56.2	22 15 13.7	90 31 24.1	15 10.5	13 27.8	H	10	,,	,,	90 52 08.5	27 47 45.2	83 07 52.5	,,
,,	28 15 56.4	22 15 14	90 32 00.4	15 10.5	13 27.8	P	10	,,	,,	90 52 31	27 48 26.4	83 18 05	,,
,,	28 18 19	22 17 36.6	90 32 50.6	15 22.5	13 34	H	10	,,	,,	90 53 28.8	27 50 12.7	83 09 01.5	,,
,,	28 18 19.2	22 17 36.8	90 33 00.5	15 22.5	13 34	P	10	,,	,,	90 53 25	27 50 05.8	83 07 14	,,
,,	28 20 39.3	22 19 56.9	90 34 08.7	15 34.2	13 40	H	10	,,	,,	90 54 40.4	27 52 24.4	83 06 52.5	,,
,,	28 20 39.5	22 19 57.2	90 34 19.2	15 34.2	13 40	P	10	,,	,,	90 54 38	27 52 20	83 05 41	,,
,,	28 25 24.6	22 24 42.2	90 36 28.4	15 58.9	13 52	H	10	,,	,,	90 56 47.3	27 56 17.4	82 53 51	,,
,,	28 25 24.7	22 24 42.3	90 36 42	15 58.9	13 52	R	10	,,	,,	90 56 51.4	27 56 25.5	82 55 18.6	,,
,,	28 27 44.8	22 27 02.4	90 37 59.7	16 11.2	13 57.8	H	10	,,	,,	90 58 11.9	27 58 53.2	82 57 42	,,
,,	28 27 44.9	22 27 02.5	90 38 00	16 11.2	13 57.8	R	10	,,	,,	90 58 04	27 58 38	82 53 52.5	,,
,,	28 31 24.7	22 30 42.4	90 40 09.7	16 30.6	14 06.9	H	10	,,	,,	91 00 12.5	28 02 35.1	82 58 10.5	,,
,,	28 31 24.8	22 30 42.4	90 39 53	16 30.6	14 06.9	R	10	,,	,,	90 59 46.8	28 01 48	82 46 24.4	,,
,,	28 36 45.2	22 36 03	90 42 50.5	16 58.3	14 19.4	R	10	,,	,,	91 02 30	28 06 48	82 41 15	,,
,,	28 36 45.3	22 36 03	90 43 53.2	16 58.3	14 19.4	P	10	,,	,,	91 03 29	28 08 36.4	83 08 20	,,
,,	28 39 15.3	22 38 33.1	90 44 17.5	17 11	14 24.9	R	10	,,	,,	91 03 50.8	28 09 17	82 40 56.2	,,
,,	28 39 15.3	22 38 33.1	90 45 19	17 11	14 24.9	P	10	,,	,,	91 04 48	28 11 01.8	83 07 10	,,

,,	28 41 45.8	22 41 03.6	90 45 47.5	17 23.7	14 30.4	R	10	,,	,,	91 05 14	28 11 49.2	82 41 21	,,
,,	28 41 45.9	22 41 03.7	90 46 43.4	17 23.7	14 30.4	P	10	,,	,,	91 06 06	28 13 25.3	83 05 23	,,
,,	28 48 59.4	22 48 17.2	90 51 05.5	18 01.6	14 44.7	H	10	,,	,,	91 10 27.2	28 21 25.5	83 17 04.5	,,
,,	28 48 59.5	22 48 17.4	90 51 07.7	18 01.6	14 44.7	P	10	,,	,,	91 10 19	28 21 10.5	83 13 16	,,
,,	28 51 27.5	22 50 45.4	90 52 16.7	18 14.9	14 49.2	H	10	,,	,,	91 11 33.7	28 23 24.9	83 09 52.5	,,
,,	28 51 27.7	22 50 45.6	90 52 29.8	18 14.9	14 49.2	P	10	,,	,,	91 11 34	28 23 28.6	83 10 44	,,
,,	28 54 51.2	22 54 09.1	90 54 19	18 33.2	14 55.4	H	10	,,	,,	91 13 28.7	28 26 59.3	83 12 33	,,
,,	28 54 51.4	22 54 09.4	90 54 23.3	18 33.3	14 55.4	P	10	,,	,,	91 13 22	28 26 48.5	83 09 52.5	,,
,,	29 00 47.8	23 00 05.7	90 57 15.6	19 05.5	15 05.4	H	10	,,	,,	91 16 14.1	28 31 50.9	82 56 18	,,
,,	29 00 47.9	23 00 05.8	90 56 58	19 05.5	15 05.4	R	10	,,	,,	91 15 47	28 31 12	82 46 32.1	,,
,,	29 03 50.1	23 03 08.1	90 58 52.9	19 22.2	15 10.2	H	10	,,	,,	91 17 46.2	28 34 53.2	82 56 16.5	,,
,,	29 03 50.2	23 03 08.2	90 58 34	19 22.2	15 10.2	R	10	,,	,,	91 17 18.2	28 34 00	82 42 57.4	,,
,,	29 08 01.8	23 07 19.7	91 01 19.3	19 45.1	15 16.8	H	10	,,	,,	91 20 05.5	28 39 09.4	82 57 24	,,
,,	29 08 02.1	23 07 20	91 00 53	19 45.1	15 16.8	R	10	,,	,,	91 19 28.4	28 38 02	82 40 30	,,
,,	29 16 17.7	23 15 35.7	91 06 44	20 31.1	15 27.7	R	10	,,	,,	91 25 11.4	28 48 32	83 14 04.8	,,
,,	29 16 17.7	23 15 35.7	91 06 53	20 31.1	15 27.7	P	10	,,	,,	91 25 14	28 48 36.7	83 15 14	,,
,,	29 18 24.5	23 17 42.5	91 08 02	20 43.1	15 29.8	R	10	,,	,,	91 26 22.2	28 50 42.5	83 15 00.5	,,
,,	29 18 24.6	23 17 42.7	91 08 02	20 43.1	15 29.8	P	10	,,	,,	91 26 21	28 50 39.8	83 14 16.2	,,
,,	29 20 27.5	23 19 45.5	91 09 16	20 54.7	15 31.8	R	10	,,	,,	91 27 33	28 52 52	83 16 37.5	,,
,,	29 20 27.6	23 19 45.7	91 09 17.5	20 54.7	15 31.8	P	10	,,	,,	91 27 34	28 52 54.3	83 17 09	,,
,,	29 27 13.3	23 26 31.5	91 12 59.7	21 32.8	15 38.9	H	10	,,	,,	91 31 18.3	28 59 47	83 18 52.5	,,
,,	29 27 13.4	23 26 31.5	91 12 59.5	21 32.8	15 38.9	P	10	,,	,,	91 31 06	28 59 24.4	83 13 13	,,
,,	29 29 35.2	23 28 53.4	91 14 09.2	21 46.1	15 41.4	H	10	,,	,,	91 32 25.2	29 01 50	83 14 09	,,
,,	29 29 35.4	23 28 53.6	91 14 13	21 46.1	15 41.4	P	10	,,	,,	91 32 16	29 01 33	83 09 24	,,
,,	29 31 57	23 31 15.2	91 15 23.6	21 59.3	15 43.9	H	10	,,	,,	91 33 36.9	29 04 02	83 11 42	,,
,,	29 31 57.2	23 31 15.4	91 15 28.5	21 59.3	15 43.9	P	10	,,	,,	91 33 28	29 03 45.7	83 07 34.5	,,
,,	29 37 20.3	23 36 38.4	91 18 25	22 31	15 48	R	10	,,	,,	91 36 24	29 09 10.5	83 08 00.9	,,
,,	29 37 28.9	23 36 47.2	91 18 22.1	22 31.8	15 48	H	10	,,	,,	91 36 27.9	29 09 16.7	83 09 52.5	,,
,,	29 39 52	23 39 10.1	91 19 50	22 46.3	15 49.2	R	10	,,	,,	91 37 48.4	29 11 43.5	83 05 50.1	,,
,,	29 40 06.6	23 39 24.9	91 19 54.5	22 47.8	15 49.3	H	10	,,	,,	91 37 57.9	29 12 02.2	83 09 19.5	,,
,,	29 42 14.3	23 41 32.4	91 21 06.5	23 00.9	15 50.4	R	10	,,	,,	91 39 02	29 14 01.5	83 07 16.5	,,
,,	29 42 29.6	23 41 47.9	91 21 15.8	23 02.2	15 50.5	H	10	,,	,,	91 39 20.8	29 14 34.8	83 11 43.5	,,

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION, during the Winter of 1821—22, *continued.*

DATE, 1822.	Time by 259	Apparent Time.	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
	° ′ ″	° ′ ″	° ′ ″	′ ″	′ ″				°	° ′ ″	° ′ ″	° ′ ″	
Feb. 28	6 09 39.2	0 08 57.6	91 35 48	25 42.8	15 54.2	R	10	29.71	30	91 53 34.8	5 40 45.5	82 56 58.5	⊙ West of ☾
,,	6 09 39.3	0 08 57.6	91 35 52.4	25 42.8	15 54.2	P	10	,,	,,	91 53 35	5 40 45.7	82 56 58.5	,,
,,	6 11 35.3	0 10 53.7	91 36 55	25 53.8	15 53.1	R	10	,,	,,	91 54 42.2	5 42 48.5	82 58 39.9	,,
,,	6 11 35.4	0 10 53.8	91 36 59.1	25 53.8	15 53.1	P	10	,,	,,	91 54 43	5 42 50.8	82 59 45	,,
,,	6 13 21.1	0 12 39.5	91 37 48.7	26 03.8	15 52.1	P	10	,,	,,	91 55 33	5 44 23	82 55 52	,,
,,	6 13 28.7	0 12 47.1	91 37 55	26 04.6	15 52.1	R	10	,,	,,	91 55 43	5 44 41.5	82 58 35.7	,,
,,	6 18 48.8	0 18 07.4	91 40 56.6	26 35.3	15 49.3	H	10	,,	,,	91 58 56.5	5 50 38	83 07 39	,,
,,	6 18 49.5	0 18 08.1	91 40 57.3	26 35.3	15 49.3	P	10	,,	,,	91 58 48	5 50 22.2	83 03 31	,,
,,	6 21 16.4	0 20 35	91 42 14	26 49.5	15 48	H	10	,,	,,	92 00 15.2	5 53 03	83 07 00	,,
,,	6 21 18	0 20 36.3	91 42 08.3	26 49.5	15 48	P	10	,,	,,	91 59 54	5 52 23.8	82 56 48	,,
,,	6 23 29.3	0 22 47.9	91 43 22.2	27 02.3	15 46.9	H	10	,,	,,	92 01 23.8	5 55 09	83 05 16.5	,,
,,	6 23 31.4	0 22 50.1	91 43 17.9	27 02.3	15 46.9	P	10	,,	,,	92 01 05	5 54 34.5	82 56 06	,,
,,	6 29 39.1	0 28 57.8	91 46 48.8	27 38.5	15 43	H	10	,,	,,	92 04 54.2	6 01 36.1	83 09 34.5	,,
,,	6 29 40.2	0 28 58.9	91 46 19	27 38.5	15 43	R	10	,,	,,	92 04 12	6 00 18.5	82 49 54.5	,,
,,	6 31 56.5	0 31 15.2	91 47 44.5	27 52.2	15 41.1	H	10	,,	,,	92 05 51.9	6 03 22.4	83 01 48	,,
,,	6 31 57.6	0 31 16.2	91 47 21	27 52.2	15 41.1	R	10	,,	,,	92 05 16.3	6 02 17	82 45 12	,,
,,	6 34 06	0 33 24.7	91 48 49.2	28 05.1	15 39.3	H	10	,,	,,	92 06 58.1	6 05 24.2	82 59 52.5	,,
,,	6 34 07	0 33 25.6	91 48 34	28 05.1	15 39.3	R	10	,,	,,	92 06 30.8	6 04 34	82 47 06	,,
,,	6 38 02.5	0 37 21.2	91 51 20.6	28 28.4	15 36	P	10	,,	,,	92 09 14.5	6 09 35.5	83 03 34.5	,,
,,	6 38 02.9	0 37 21.6	91 51 15.5	28 28.4	15 35.8	R	10	,,	,,	92 09 14	6 09 34	83 03 12	,,
,,	6 40 05	0 39 23.7	91 52 25	28 40.4	15 34.1	R	10	,,	,,	92 10 25.2	6 11 45.3	83 05 23.2	,,
,,	6 40 05	0 39 23.7	91 52 19.1	28 40.4	15 34.1	P	10	,,	,,	92 10 15	6 11 26.7	83 00 45	,,
,,	6 41 58.1	0 41 16.8	91 53 18	28 51.6	15 32.4	R	10	,,	,,	92 11 19.8	6 13 26	82 59 48	,,
,,	6 41 58.2	0 41 17	91 53 09.8	28 51.6	15 32.4	P	10	,,	,,	92 11 10	6 13 08	82 57 44	,,
,,	6 46 05.5	0 45 24.4	91 55 32.6	29 14.5	15 28	P	10	,,	,,	92 13 37	6 17 38.5	83 03 31	,,
,,	6 46 05.8	0 45 24.6	91 55 41.5	29 14.5	15 28	H	10	,,	,,	92 14 00	6 18 20.9	83 14 04.5	,,

,,	6 47 58	0 47 17	91 56 30.8	29 24.6	15 25.9	P	10	,,	,,	92 14 36	6 19 27.2	83 02 33	,,
,,	6 47 58.6	0 47 17.4	91 56 27.7	29 24.6	15 25.9	H	10	,,	,,	92 14 48.5	6 19 50.2	83 08 12	,,
,,	6 49 33.5	0 48 52.5	91 57 15.3	29 33.2	15 24	P	10	,,	,,	92 15 27	6 21 01.1	83 02 07	,,
,,	6 49 34.2	0 48 53	91 57 15.8	29 33.2	15 24	H	10	,,	,,	92 15 38.8	6 21 22.7	83 07 25.5	,,
,,	6 54 44.4	0 54 03.3	92 00 11.5	30 04	15 16.7	H	10	,,	,,	92 18 40.7	6 26 57.7	83 13 36	,,
,,	6 54 44.4	0 54 03.3	91 59 46	30 04	15 16.7	R	10	,,	,,	92 18 02.6	6 25 48	82 56 10.5	,,
,,	6 56 58.1	0 56 17	92 01 00	30 18	15 13.2	R	10	,,	,,	92 19 17.4	6 28 05.5	82 57 07.5	,,
,,	6 56 58.3	0 56 17.2	92 01 07.8	30 18	15 13.2	H	10	,,	,,	92 19 40.7	6 28 48.2	83 07 45	,,
,,	6 59 15.7	0 58 34.6	92 02 07	30 32.4	15 09.6	R	10	,,	,,	92 20 29.8	6 30 18.5	82 55 58.5	,,
,,	6 59 15.9	0 58 34.8	92 02 15.8	30 32.4	15 09.6	H	10	,,	,,	92 20 52.4	6 31 00.2	83 06 21	,,
Mar. 1	6 18 39.8	0 18 04.1	104 43 15.5	21 16.6	16 11.6	P	10	29.90	-24	104 55 35	5 49 26	82 50 34	,,
,,	6 18 39.9	0 18 04.1	104 42 54.5	21 16.6	16 11.6	R	10	,,	,,	104 55 20	5 48 58.5	82 43 35.7	,,
,,	6 20 51.6	0 20 15.8	104 44 26.7	21 28.7	16 10.4	P	10	,,	,,	104 56 46	5 51 38.2	82 50 38	,,
,,	6 20 51.7	0 20 15.9	104 44 05.5	21 28.7	16 10.4	R	10	,,	,,	104 56 28	5 51 04	82 42 01.5	,,
,,	6 22 51.4	0 22 15.6	104 45 35.7	21 39.6	16 09.4	P	10	,,	,,	104 57 49	5 53 35.8	82 50 02	,,
,,	6 22 51.5	0 22 15.6	104 45 13	21 39.6	16 09.4	R	10	,,	,,	104 57 34	5 53 08	82 43 04.8	,,
,,	6 25 19.2	0 24 43.4	104 47 01.2	21 53.2	16 08.1	P	10	,,	,,	104 59 14	5 56 14.2	82 52 42	,,
,,	6 25 19.3	0 24 43.5	104 46 37	21 53.2	16 08.1	R	10	,,	,,	104 58 56	5 55 40	82 44 08.1	,,
,,	6 29 51.5	0 29 15.8	104 49 26	22 17.7	16 04.7	P	10	,,	,,	105 01 33.6	6 00 34.5	82 49 40.5	,,
,,	6 29 51.5	0 29 15.7	104 49 21.8	22 17.7	16 04.7	H	10	,,	,,	105 01 50.5	6 01 06.2	82 57 37.5	,,
,,	6 32 11.9	0 31 36.2	104 50 42.9	22 30.2	16 02.6	P	10	,,	,,	105 02 52	6 03 00.7	82 51 08	,,
,,	6 32 11.9	0 31 36.1	104 50 39.5	22 30.2	16 02.6	H	10	,,	,,	105 03 07.2	6 03 29.3	82 58 18	,,
,,	6 34 33.6	0 33 57.8	104 51 45.9	22 42.8	16 00.5	H	10	,,	,,	105 04 13.4	6 05 32.7	82 53 43.5	,,
,,	6 34 33.7	0 33 58	104 51 55	22 42.8	16 00.5	P	10	,,	,,	105 04 04	6 05 15.3	82 49 19.5	,,
,,	6 37 09.3	0 36 33.7	104 53 09.9	22 56.6	15 58.2	P	10	,,	,,	105 05 16	6 07 29.5	82 43 57	,,
,,	6 37 09.3	0 36 33.6	104 53 04.3	22 56.6	15 58.2	H	10	,,	,,	105 05 29.4	6 07 54.3	82 50 10.5	,,
,,	6 42 34.6	0 41 58.8	104 55 57.5	23 27.3	15 52.4	R	10	,,	,,	105 08 06	6 12 48	82 42 18 4	,,
,,	6 42 34.7	0 41 59	104 56 00.8	23 27.3	15 52.4	H	10	,,	,,	105 08 25.1	6 13 22	82 50 45	,,
,,	6 44 39	0 44 03.2	104 57 02	23 39.5	15 50	R	10	,,	,,	105 09 10	6 14 45.8	82 40 38.2	,,
,,	6 44 39.2	0 44 03.5	104 57 09.2	23 39.5	15 50	H	10	,,	,,	105 09 33.1	6 15 28.9	82 51 21	,,
,,	6 46 53	0 46 17.3	104 58 26.5	23 52.6	15 47.3	R	10	,,	,,	105 10 33.6	6 17 22	82 45 55	,,
,,	6 46 53.2	0 46 17.5	104 58 30.8	23 52.6	15 47.3	H	10	,,	,,	105 10 54.3	6 18 00.3	82 55 42	,,

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION, during the Winter of 1821—22, *continued.*

DATE. 1822.	Time by 259.	Apparent Time.	Observed Distance of Limbs.	Apparent Altitude. Moon's centre	Apparent Altitude. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
	° ′ ″	° ′ ″	° ′ ″	′ ″	′ ″				°	° ′ ″	° ′ ″	° ′ ″	
Mar. 1	6 49 05.9	0 48 30.2	104 59 42.5	24 05.6	15 44.7	R	10	29.90	−24	105 11 49.2	6 19 42.5	82 47 49.5	⊙ West of ☾
,,	6 49 06.1	0 48 30.5	104 59 49	24 05.6	15 44.7	H	10	,,	,,	105 12 11.5	6 20 24.3	82 58 27	,,
,,	6 53 05.6	0 52 30.2	105 02 06	24 29	15 39.5	R	10	,,	,,	105 14 13.6	6 24 12.3	82 55 31	,,
,,	6 53 05.6	0 52 30.1	105 02 06.4	24 29	15 39.5	P	10	,,	,,	105 14 10	6 24 05.2	82 53 46	,,
,,	6 55 26.8	0 54 51.4	105 03 26.5	24 42.8	15 36.1	R	10	,,	,,	105 15 34	6 26 42.3	82 57 13.2	,,
,,	6 55 26.8	0 54 51.3	105 03 18.5	24 42.8	15 36.1	P	10	,,	,,	105 15 22	6 26 19.4	82 52 01.5	,,
,,	6 57 25.4	0 56 49.9	105 04 23	24 54.3	15 33.3	P	10	,,	,,	105 16 27	6 28 20.7	82 52 41	,,
,,	6 57 25.4	0 56 50	105 04 28.5	24 54.3	15 33.3	R	10	,,	,,	105 16 35.6	6 28 37	82 56 45	,,
,,	7 01 03	1 00 27.5	105 06 37.4	25 14.4	15 27.9	P	10	,,	,,	105 18 18	6 31 47.7	82 50 03	,,
,,	7 01 03.1	1 00 27.5	105 06 28	25 14.4	15 27.9	H	10	,,	,,	105 18 51.5	6 32 50.5	83 05 45	,,
,,	7 03 04.3	1 02 28.8	105 07 28	25 25.2	15 24.7	H	10	,,	,,	105 19 52.6	6 34 44.3	83 03 52.5	,,
,,	7 03 04.3	1 02 28.9	105 07 32.5	25 25.2	15 24.7	P	10	,,	,,	105 19 37	6 34 15	82 56 31.5	,,
,,	7 05 04.3	1 04 28.9	105 08 41.8	25 35.8	15 21.6	P	10	,,	,,	105 20 47	6 36 25.6	82 59 10	,,
,,	7 05 04.3	1 04 28.8	105 08 34.9	25 35.9	15 21.6	H	10	,,	,,	105 21 00.7	6 36 51.4	83 05 39	,,
,,	7 09 17	1 08 41.6	105 10 35	25 59.9	15 14.1	R	10	,,	,,	105 22 47	6 40 09.5	82 51 57.4	,,
,,	7 09 17.2	1 08 41.8	105 10 48.5	25 59.9	15 14.1	H	10	,,	,,	105 23 17.1	6 41 05.8	83 06 00	,,
,,	7 11 15.7	1 10 40.4	105 11 45	26 11.6	15 10.3	R	10	,,	,,	105 23 58 6	6 42 23.5	82 55 46.5	,,
,,	7 11 15.9	1 10 40.5	105 11 48.3	26 11.6	15 10.3	H	10	,,	,,	105 24 18.5	6 42 59.5	83 04 55	,,
,,	7 13 20.5	1 12 45.2	105 12 49.5	26 24	15 06.3	R	10	,,	,,	105 25 04.3	6 44 26	82 55 11.5	,,
,,	7 13 20.8	1 12 45.4	105 12 45.5	26 24.1	15 06.3	H	10	,,	,,	105 25 16.7	6 44 49.1	83 00 55.5	,,
25	13 42 48	7 46 24.9	68 18 08.5	20 34.5	52 00	P	10	30.35	−19½	67 21 14	13 17 50.3	82 51 21	Pollux East of ☾
,,	13 42 48	7 46 25	68 17 49.5	20 34.5	52 00	R	10	,,	,,	67 21 02	13 18 11	82 56 30	,,
,,	13 47 19.1	7 50 56	68 15 17.6	20 08.9	52 53 7	P	10	,,	,,	67 18 18	13 22 36.6	82 55 09	,,
,,	13 47 19.1	7 50 56	68 14 59	20 08.9	51 53.7	R	10	,,	,,	67 18 08	13 22 54	82 59 27.9	,,
,,	13 51 07.8	7 54 44.8	68 12 45.8	19 47.3	51 48.4	P	10	,,	,,	67 15 44	13 26 47.1	83 00 34.5	,,
,,	13 51 07.8	7 54 44.9	68 12 33	19 47.3	51 48.4	R	10	,,	,,	67 15 39.4	13 26 55	83 02 31.5	,,

,,	13 57 58.8	S 01 35.9	68 08 57	19 08.7	51 37.2	H	10	,,	,,	67 12 03.3	13 32 46.1	82 47 33	,,
,,	13 57 58.8	S 01 35.9	68 08 43.7	19 08.7	51 37.2	P	10	,,	,,	67 11 37.6	13 33 27.7	82 57 57	,,
,,	14 03 39.3	S 07 16.5	68 05 22.9	18 36.9	51 27.1	P	10	,,	,,	67 08 15.6	13 38 56.4	82 54 58.5	,,
,,	14 03 39.3	S 07 16.5	68 05 27.5	18 36.9	51 27.1	H	10	,,	,,	67 08 33.1	13 38 28.3	82 47 57	,,
,,	14 08 22.8	S 12 00.1	68 02 31	18 10.4	51 18.6	H	10	,,	,,	67 05 34.2	13 43 19.2	82 49 46.5	,,
,,	14 08 22.8	S 12 00.1	68 02 15.3	18 10.4	51 18.6	P	10	,,	,,	67 05 06.8	13 44 03.4	83 00 49.5	,,
,,	14 16 29.3	S 20 06.8	67 56 47.7	17 25.1	51 01.8	H	10	,,	,,	66 59 50.1	13 52 39	83 08 03	,,
,,	14 16 29.3	S 20 06.7	67 56 47	17 25.1	51 01.8	R	10	,,	,,	66 59 46	13 52 46	83 09 50.1	,,
,,	14 20 54	S 24 31.5	67 54 06	17 00.5	50 51.3	R	10	,,	,,	66 57 06.3	13 57 06.5	83 08 44.7	,,
,,	14 20 54.1	S 24 31.6	67 54 24.3	17 00.5	50 51.3	H	10	,,	,,	66 57 26.9	13 56 31.8	83 00 03	,,
,,	14 25 24.2	S 29 01.8	67 51 30.3	16 35.4	50 40.6	H	10	,,	,,	66 54 33.7	14 01 13.7	83 02 58.5	,,
,,	14 25 24.2	S 29 01.8	67 51 15.5	16 35.4	50 40.6	R	10	,,	,,	66 54 16	14 01 41.5	83 09 55.2	,,
,,	14 34 24.7	S 38 02.3	67 46 11	15 45.4	50 15.1	P	10	,,	,,	66 49 08.4	14 10 02.2	82 59 58.5	,,
,,	14 34 24.7	S 38 02.4	67 45 40	15 45.4	50 15.1	R	10	,,	,,	66 48 45.6	14 10 40.5	83 09 30.9	,,
,,	14 39 49.4	S 43 27.2	67 42 08.5	15 15.6	49 57.5	R	10	,,	,,	66 45 20	14 16 13.5	83 11 24.5	,,
,,	14 39 49.4	S 43 27.1	67 42 34.5	15 15.6	49 57.5	P	10	,,	,,	66 45 35	14 15 49	83 05 28.5	,,
30	14 21 07	S 25 42.1	33 10 46	45 19.2	35 48.3	R	10	29.34	-13	32 57 08.4	13 57 58.5	83 04 05.7	Regulus East of ☾
,,	14 21 07.1	S 25 42.2	33 10 37	45 19.2	35 48.3	P	10	,,	,,	32 57 02.6	13 58 08.8	83 06 39	,,
,,	14 24 59.8	S 29 34.9	33 08 30.5	45 08.3	35 54.9	R	10	,,	,,	32 54 32.4	14 02 37.5	83 15 39	,,
,,	14 24 59.9	S 29 35	33 08 25.8	45 08.3	35 54.9	P	10	,,	,,	32 54 32.6	14 02 36.7	83 15 25.5	,,
,,	14 28 13.6	S 32 48.8	33 06 49.7	44 59.2	36 00.4	P	10	,,	,,	32 52 39.4	14 05 50.4	83 15 24	,,
,,	14 28 13.6	S 32 48.8	33 06 54.5	44 59.2	36 00.4	R	10	,,	,,	32 52 40	14 05 51	83 15 33.3	,,
,,	14 34 44.4	S 39 19.6	33 03 50.5	44 39.3	36 09.6	H	10	,,	,,	32 49 08.8	14 12 15.3	83 13 55.5	,,
,,	14 34 44.5	S 39 19.7	33 03 48.8	44 39.3	36 09.6	P	10	,,	,,	32 49 04.6	14 12 25.4	83 16 25.5	,,
,,	14 40 44.1	S 45 19.5	33 01 16.1	44 20.2	36 17.4	P	10	,,	,,	32 46 00	14 17 53	83 08 21	,,
,,	14 40 44.1	S 45 19.4	33 01 19.3	44 20.2	36 17.4	H	10	,,	,,	32 46 06.4	14 17 41.2	83 05 27	,,
,,	14 45 13.9	S 49 49.2	32 59 05.5	44 06	36 23.2	H	10	,,	,,	32 43 30.7	14 22 19.8	83 07 39	,,
,,	14 45 14	S 49 49.3	32 59 14.5	44 06	36 23.2	P	10	,,	,,	32 43 36	14 22 10	83 05 10.5	,,
,,	14 53 27.4	S 58 03	32 55 22	43 38.8	36 30.5	R	10	,,	,,	32 39 03.4	14 30 14.5	83 02 52.8	,,
,,	14 53 27.5	S 58 02.9	32 55 26.3	43 38.8	36 30.5	H	10	,,	,,	32 39 12.5	14 30 01	82 59 31.5	,,
,,	14 58 23.3	S 02 58.8	32 53 03.8	43 22	36 33.4	H	10	,,	,,	32 36 27.2	14 34 56.4	82 59 24	,,
,,	14 58 23.3	S 02 58.8	32 53 13	43 22	36 33.4	R	10	,,	,,	32 36 32.4	14 34 43	82 56 02.7	,,

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION, during the Winter of 1821—22, *continued.*

DATE. 1822.	Time by 259.	Apparent Time.	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
Mar. 30	15 03 23.3	9 07 58.9	32 51 01	43 04.9	36 36.3	R	10	29.34	-13	32 33 59	14 39 17	82 49 32.8	Regulus East of ☾
,,	15 03 23.4	9 07 59	32 50 58.5	43 04.9	36 36.3	H	10	,,	,,	32 33 59.4	14 39 20.8	82 50 27	,,
,,	15 11 06.8	9 15 42.5	32 46 30.3	42 35.7	36 38.8	P	10	,,	,,	32 28 52.2	14 48 29.2	83 11 40.5	,,
,,	15 11 06.8	9 15 42.6	32 46 36	42 35.7	36 38.8	R	10	,,	,,	32 29 02.4	14 48 10.5	83 06 58	,,
,,	15 15 38.4	9 20 14.1	32 44 07	42 17	36 39.3	P	10	,,	,,	32 26 10	14 53 19.3	83 16 18	,,
,,	15 15 38.5	9 20 14.2	32 44 14.5	42 17	36 39.3	R	10	,,	,,	32 26 16	14 53 05.5	83 12 33.3	,,
,,	15 20 20.8	9 24 56.6	32 42 58.5	41 57.7	36 39.8	P	10	,,	,,	32 23 39	14 57 49.5	83 13 13.5	,,
,,	15 20 20.9	9 24 56.7	32 42 15	41 57.7	36 39.8	R	10	,,	,,	32 23 54.5	14 57 19.5	83 05 41.8	,,
,,	15 28 20.1	9 32 56	32 38 13	41 23.4	36 37.5	P	10	,,	,,	32 19 19	15 05 34.3	83 09 34.5	,,
,,	15 28 20.1	9 32 56	32 38 29.3	41 23.4	36 37.5	H	10	,,	,,	32 19 41	15 04 55	82 59 45	,,
,,	15 33 38.4	9 38 14.4	32 35 17	41 00.1	36 34.7	H	10	,,	,,	32 16 06.1	15 11 19.3	83 16 13.5	,,
,,	15 33 38.4	9 38 14.3	32 35 25.8	41 00.1	36 34.7	P	10	,,	,,	32 16 09.6	15 11 13	83 14 30.5	,,
,,	15 38 45.2	9 43 21.2	32 32 57.3	40 37.7	36 32	P	10	,,	,,	32 13 19	15 16 18.1	83 14 13.5	,,
,,	15 38 45.2	9 43 21.3	32 32 52.5	40 37.7	36 32	H	10	,,	,,	32 13 21	15 16 14.5	83 13 18	,,
,,	15 46 49.4	9 51 25.6	32 29 36	40 00.6	36 25.6	H	10	,,	,,	32 09 30.1	15 23 07.4	82 55 27	,,
,,	15 46 49.4	9 51 25.6	32 29 39	40 00.6	36 25.6	R	10	,,	,,	32 09 27.2	15 23 12	82 56 36.7	,,
,,	15 51 20.9	9 55 57.1	32 27 20.5	39 38.9	36 20.9	R	10	,,	,,	32 06 50	15 27 54	82 59 13.3	,,
,,	15 51 20.9	9 55 57.2	32 27 07	39 38.9	36 20.9	H	10	,,	,,	32 06 44.4	15 28 03.7	83 01 37.5	,,
,,	15 55 36	10 00 12.3	32 25 06.3	39 18.5	36 16.5	H	10	,,	,,	32 04 25.4	15 32 12	82 59 55.5	,,
,,	15 55 36	10 00 12.2	32 25 23	39 18.5	36 16.5	R	10	,,	,,	32 04 36.6	15 31 52.5	82 54 49.5	,,
,,	16 07 49.9	10 12 26.4	32 18 35	38 17.8	35 58.6	P	10	,,	,,	31 57 03.4	15 45 22.9	83 14 09	,,
,,	16 07 49.9	10 12 26.4	32 18 55.2	38 17.8	35 58.6	R.	10	,,	,,	31 57 24.2	15 44 46	83 04 53.8	,,
,,	16 12 18.7	10 16 55.2	32 16 31	37 55.2	35 51.1	R	10	,,	,,	31 54 43.8	15 49 33	83 09 27	,,
,,	16 12 18.8	10 16 55.3	32 16 20.7	37 55.2	35 51.1	P	10	,,	,,	31 54 32.2	15 49 53.4	83 14 33	,,
,,	16 16 01.2	10 20 37.7	32 14 32.5	37 36.5	35 44.9	P	10	,,	,,	31 52 32	15 53 28.5	83 12 42	,,
,,	16 16 01.2	10 20 37.7	32 14 36	37 36.5	35 44.9	R	10	,,	,,	31 52 36	15 53 21	83 10 49.9	,,

,,	16 23 32.3	10 28 08.9	32 10 57.5	36 57.6	35 29.9	P	10	,,	,,	31 48 29.6	16 00 42.3	83 08 21	,,
,,	16 32 32.3	10 28 08.9	32 10 44.5	36 57.6	35 29.9	H	10	,,	,,	31 48 27	16 00 46.8	83 09 23.5	,,
,,	16 27 54.4	10 32 31	32 08 40.3	36 34.7	35 20.4	P	10	,,	,,	31 46 01.6	16 05 07.1	83 09 01.5	,,
,,	16 27 54.5	10 32 31.2	32 08 19.5	36 34.7	35 20.4	H	10	,,	,,	31 45 47.4	16 05 32.4	83 15 18	,,
,,	16 32 32.2	10 37 08.9	32 05 57.8	36 10.4	35 10.4	H	10	,,	,,	31 43 10.2	16 10 13.7	83 16 12	,,
,,	16 32 32.2	10 37 08.9	32 06 08	36 10.4	35 10.4	P	10	,,	,,	31 43 13.4	16 10 08.2	83 14 51	,,
,,	16 40 53.5	10 45 30.5	32 02 30	35 25.7	34 50.4	R	10	,,	,,	31 39 11	16 17 21	82 57 37.3	,,
,,	16 40 53.6	10 45 30.4	32 02 25.5	35 25.7	34 50.4	H	10	,,	,,	31 39 13	16 17 18.4	82 57 00	,,
,,	16 44 32.1	10 49 09.1	32 00 23	35 06	34 41	R	10	,,	,,	31 36 50.4	16 21 27	83 04 29.4	,,
,,	16 44 32.2	10 49 09.1	32 00 17.5	35 06	34 40.9	H	10	,,	,,	31 36 53.2	16 21 28.6	83 04 52.5	,,
,,	16 48 25.5	10 53 02.5	31 58 24.5	34 44.8	34 30.7	R	10	,,	,,	31 34 43.6	16 25 19	83 04 08.1	,,
,,	16 48 25.7	10 53 02.6	31 58 09.5	34 44.8	34 30.7	H	10	,,	,,	31 34 36.2	16 25 33.7	83 07 46.5	,,
,,	16 55 11.3	10 59 48.5	31 54 29.5	34 07.6	34 12.2	R	10	,,	,,	31 30 31.6	16 32 51	83 15 37.5	,,
,,	16 55 11.4	10 59 48.4	31 54 30.2	34 07.6	34 12.2	P	10	,,	,,	31 30 31	16 32 52.7	83 16 06	,,
,,	16 58 25.9	11 03 03.1	31 52 55.5	33 49.6	34 02.9	R	10	,,	,,	31 28 48.2	16 35 57.5	83 13 36.7	,,
,,	16 58 25.9	11 03 03	31 52 42.5	33 49.6	34 02.9	P	10	,,	,,	31 28 32.8	16 36 24.5	83 20 24	,,
,,	17 01 40.2	11 06 17.4	31 51 27	33 31.6	33 53.6	R	10	,,	,,	31 27 10	16 38 52	83 08 39	,,
,,	17 01 40.3	11 06 17.4	31 51 15.3	33 31.6	33 53.6	P	10	,,	,,	31 26 56.6	16 39 16.5	83 14 46.5	,,
,,	17 09 49.1	11 14 26.3	31 47 01.5	32 44.1	33 27.2	P	10	,,	,,	31 22 22.6	16 47 27	83 15 10.5	,,
,,	17 09 49.2	11 14 26.4	31 46 59.5	32 44.1	33 27.2	H	10	,,	,,	31 22 27.6	16 47 18.2	83 12 57	,,
,,	17 14 58.6	11 19 35.9	31 44 50.2	32 13.2	33 09.5	P	10	,,	,,	31 19 58.6	16 51 45.7	83 02 28.5	,,
,,	17 14 58.6	11 19 35.9	31 44 44	32 13.2	33 09.5	H	10	,,	,,	31 19 56.4	16 51 49	83 03 16	,,
,,	17 21 08.7	11 25 46.1	31 41 50.3	31 36.2	32 48.3	P	10	,,	,,	31 16 30.6	16 57 57.5	83 02 52.5	,,
,,	17 21 08.7	11 25 46.1	31 42 00.5	31 36.2	32 48.3	H	10	,,	,,	31 16 57.4	16 57 09.7	82 50 54	,,
,,	17 30 52.7	11 35 30.3	31 36 24	30 39.5	32 13	R	10	,,	,,	31 10 56.6	17 07 54	83 05 55.5	,,
,,	17 30 52.9	11 35 30.4	31 36 15.6	30 39.5	32 13	H	10	,,	,,	31 10 51.3	17 08 05	83 08 39	,,
,,	17 34 22.3	11 38 59.9	31 34 25.5	30 20	31 59.2	R	10	,,	,,	31 08 53.6	17 11 32	83 08 01.5	,,
,,	17 34 22.5	11 39 00.1	31 34 20	30 20	31 59.2	H	10	,,	,,	31 08 50.5	17 11 41.6	83 10 22.5	,,
,,	17 38 41.2	11 43 18.8	31 32 14.5	29 55.9	31 42.3	R	10	,,	,,	31 06 36.4	17 15 41.5	83 05 40	,,
,,	17 38 41.4	11 43 19	31 32 05	29 55.9	31 42.3	H	10	,,	,,	31 06 31.4	17 15 50.7	83 07 55.5	,,
,,	18 01 54.3	12 06 32.4	31 20 03.5	27 40.9	30 02.6	R	10	,,	,,	30 54 00	17 38 16	82 55 54	,,
,,	18 01 54.4	12 06 32.3	31 19 53.8	27 40.9	30 02.6	P	10	,,	,,	30 53 48.6	17 38 37.2	83 01 13.5	,,

LUNAR OBSERVATIONS FOR DETERMINING THE MERIDIAN OF THE FURY'S STATION, during the Winter of 1821—22, *concluded.*

DATE. 1822.	Time by 259	Apparent Time.	Observed Distance of Limbs.	Apparent Altitudes. Moon's centre	Apparent Altitudes. Sun's centre, or Star.	Observer.	No. of Observations	Barometer.	Thermometer.	True distance.	Apparent Greenwich Time.	Longitude West of Greenwich	PHENOMENA.
	° ′ ″	° ′ ″	° ′ ″	′ ″	′ ″				°	° ′ ″	° ′ ″	° ′ ″	
Mar. 30	18 04 59.2	12 09 37.3	31 18 22	27 22.9	29 49.2	R	10	29.34	−13	30 52 15.4	17 41 25.5	82 57 03	Regulus East of ☾
,,	18 04 59.3	12 09 37.2	31 18 13.5	27 22.9	29 49.2	P	10	,,	,,	30 52 04.6	17 41 43.8	83 01 39	,,
,,	18 07 53.8	12 12 31.9	31 16 32	27 04.9	29 36.6	R	10	,,	,,	30 50 20.4	17 44 48	83 04 01.5	,,
,,	18 07 53.9	12 12 31.9	31 16 26.8	27 04.9	29 36.6	P	10	,,	,,	30 50 15	17 45 02	83 07 04.5	,,
,,	18 14 10.7	12 18 48.8	31 13 09.5	26 27	29 06.7	H	10	,,	,,	30 46 55.2	17 50 58.3	83 02 22.5	,,
,,	18 14 10.7	12 18 48.8	31 13 07.8	26 27	29 06.7	P	10	,,	,,	30 46 50	17 51 07.5	83 04 42	,,
,,	18 17 30.8	12 22 08.9	31 11 27.5	26 06.8	28 49.8	P	10	,,	,,	30 45 04.6	17 54 16.5	83 01 54	,,
,,	18 17 30.8	12 22 09	31 11 18.5	26 06.8	28 49.8	H	10	,,	,,	30 45 01.2	17 54 22.8	83 03 27	,,
,,	18 21 00.3	12 25 38.5	31 09 27	25 45.7	28 32.1	H	10	,,	,,	30 43 08	17 57 45.7	83 01 48	,,
,,	18 21 00.3	12 25 38.5	31 09 29	25 45.7	28 32.1	P	10	,,	,,	30 43 10.2	17 57 41.7	83 00 48	,,
,,	18 28 26	12 33 04.3	31 05 27	25 01.4	27 55.2	H	10	,,	,,	30 39 04.8	18 05 01.5	82 59 18	,,
,,	18 28 26	12 33 04.3	31 05 46	25 01.4	27 55.2	R	10	,,	,,	30 39 25.8	18 04 25	82 50 11.3	,,
,,	18 31 43.8	12 36 22.1	31 03 53.5	24 42	27 39.2	R	11	,,	,,	30 37 31.4	18 07 48	82 51 29.2	,,
,,	18 31 43.8	12 36 22.1	31 03 36.5	24 42	27 39.2	H	10	,,	,,	30 37 13.6	18 08 20.4	82 59 34.5	,,
,,	18 35 06.5	12 39 44.9	31 01 41	24 22.2	27 22.8	H	10	,,	,,	30 35 17.8	18 11 48.7	83 00 57	,,
,,	18 35 06.5	12 39 44.8	31 01 49	24 22.2	27 22.8	R	10	,,	,,	30 35 25.8	18 11 34	82 57 18	,,

ABSTRACT OF OBSERVATIONS,

FOR DETERMINING THE MERIDIAN OF THE OBSERVATORY

AT WINTER ISLAND, 1821—22.

NOTE.—A number of Observations, by Mr. Fisher, of the difference of Right Ascensions of the Stars and Moon, and of the Sun and Moon, and by occultations of fixed Stars, are not taken into this account, as being subject to a comparison with corresponding Observations at Greenwich.

	Sets.		Lunar Distances.						
By the Mean of	504	containing	5057	☉ and *	West of ☾	The Longitude of the Fury's Station is ...	° ′ ″ 83 09 26.7	West.
„	440	„	4403	„	East „		83 11 34.33	„
„	944	„	9460	„	.....		83 10 28.19	„

By trigonometrical measurement, the Observatory was found to be 24″ East of the Fury.

Mean Longitude of the Observatory by the above Lunar Distances	83 10 02.16	„
Do. obtained by Mr. Fisher, from 12 eclipses of Jupiter's satellites ...	82 53 21.5	„
Difference between these last	16 40.66	Lunars to the Westward.
Mean Longitude of the Observatory at Winter Island, by the above Observations, considering each eclipse of the same value as one set of Lunar Observations	83 09 49.6*	
Ditto. ditto. being the Mean between the Longitudes deduced from each separate method	83 01 41.83**	
	8 07.77	

* The Charts made under my inspection, on board the Fury, are constructed with this Longitude. Should the last method of deducing the Mean (**) be considered more just, the Longitudes in the Charts, for this part of the coast will be subject to a correction of − 8′ 07.8″.

N°. IV.

OBSERVATIONS

FOR

THE VARIATION OF THE MAGNETIC NEEDLE.

TABLE I.—OBSERVATIONS FOR THE VARIATION OF THE MAGNETIC NEEDLE, made *on Shore* or *upon the Ice*, 1821.

1821.	Latitude, N.	Longitude, W.	Compass No.	Observer.	Westerly Variation.	Mean Variation.	REMARKS.
	° ′	° ′			° ′ ″	° ′ ″	
May 19..	58 48½	2 55½	1	P	27 13 51	27 32 08.5	South Point of the entrance into Widewall Harbour Orkney Islands.
			5	R	27 50 26		
.. 23..	58 49	3 00½	1	P	26 54 58	26 58 30	Hackness Point, Long Hope ditto
			1	H	27 09 35		
			5	R	26 49 37		
			5	R	26 59 55		
July 4 .	61 13	64 43	1	F	52 00 00	52 44 45	On a floe of Ice 150 yards from the Ship.
			1	F	53 08 00		
			2	F	52 59 00		
			2	F	52 52 00		
,, 8 . .	61 10½	65 21	1	P	52 40 18	52 55 45	On a floe of Ice at a distance from the Ship.
			1	P	53 02 50		
			1	H	53 25 41		
			1	R	53 01 41		
			2	R	53 08 20		
			2	P	52 42 06		
			2	P	52 39 34		
			2	H	52 45 31		
.. 18...	61 36	66 41	2	F	52 14 00	51 39 11	On a floe of Ice 200 yards from the Ship.
			2	F	51 59 00		
			2	P	52 52 57		
			2	H	51 44 34		
			2	H	51 54 34		
			2	R	51 04 51		
			2	B	51 35 21		
			2	B	51 14 25		
			2	B	51 04 12		
			3	P	51 39 08		
			3	R	50 42 56		
			3	H	52 43 43		

OBSERVATIONS FOR THE VARIATION OF THE MAGNETIC NEEDLE, made *on Shore* or *upon the Ice*, 1821, *continued.*

1821.	Latitude, N.	Longitude, W.	Compass No.	Observer.	Westerly Variation.	Mean Variation.	REMARKS.
		° ′	3	H	° ′ ″ 52 21 28		
			3	B	52 45 29		
			3	B	50 27 24		
			5	R	50 57 42		
			2	P	52 38 31		
			2	R	52 22 59		
July 24	62 31½	69 57	2	F	52 52 00	52 37 04	On shore near the SE. point of the larger of the Upper Savage Islands.
			2	H	52 51 19		
			2	B	52 20 30		
			4	P	53 42 52		
			1	H	53 10 23		
			1	F	53 26 00		
			4	R	53 50 21		
			2	H	51 05 42		These Observations were taken at the distance of 132 yards from the Ship, upon a floe of Ice to which the Ship was attached, and which had a slow motion in Azimuth. They are here inserted according to the order of time in which they were taken, in order to shew the regularity of the Ships' influence upon the Needles even at that distance according to the angle at which it acted on them.
			2	F	53 56 00		
			1	P	51 08 56		
			4	R	51 47 11		
			2	B	54 55 32		
			5	P	55 84 13		
,, 29 ..	63 45	71 04	5	R	55 48 46	54 51 57.7	
			5	F	56 08 00		The three last Observations were taken half an hour after the rest, when the motion of the floe was not noted.
			5	H	56 14 10		
			2	P	55 13 45		
			2	R	55 29 32		The true variation appears (by comparing those of the 24th July and 3d August) to have been about 52°.
			4	H	55 15 11		
			4	F	55 11 00		
			5	B	56 09 42		
			4	B	54 39 48		
			1	B	55 37 38		

OBSERVATIONS FOR THE VARIATION OF THE MAGNETIC NEEDLE,

made *on Shore* or *upon the Ice*, 1821. *continued.*

1821.	Latitude, N	Longitude, W	Compass No	Observer.	Westerly Variation.	Mean Variation.	REMARKS
	° ′	°	1	P	° ′ ″ 51 02 59		
			1	P	49 08 25		
			1	H	50 28 19		
			4	R	52 45 48		
			4	F	49 07 00		
			4	B	51 42 43		
			5	R	52 13 36		
			5	F	55 31 00		These observations were taken in two different places. Those above the double line were on a piece of ice 200 yards from the Fury, where it was supposed the compasses might have been affected by the ship's influence. We then removed to a piece of ice, a quarter of a mile distant from the ship, in which situation the subsequent observations were taken
			5	P	53 39 00		
Aug 3	65 08	79 35	5	P	54 01 50	52 11 43 6	
			5	H	53 09 39		
			5	H	55 02 24		
			1	F	52 22 00		
			1	B	52 14 51		
			1	R	50 54 55		
			4	P	51 44 00		
			4	R	52 28 55		
			4	B	52 20 54		
			4	H	52 51 14		
			4	F	51 05 00		
			2	R	54 51 48		
			2	B	55 38 34		
			2	H	51 26 29		
			3	P	53 25 42		
			3	R	54 10 41		
			3	H	53 56 30		
,, 5	65 27	81 57	3	B	54 45 52	56 05 30 5	On a floe of ice
			4	R	55 19 48		
			4	H	56 16 29		

OBSERVATIONS FOR THE VARIATION OF THE MAGNETIC NEEDLE, made on *Shore* or *upon the Ice*, 1821, *continued*.

1821.	Latitude, N.	Longitude, W.	Compass No.	Observer.	Westerly Variation.	Mean Variation.	REMARKS.
	° ′	° ′	4	B	54 16 12	° ′ ″	
			5	H	51 27 21		
			5	R	56 07 41		
			5	B	57 28 35		
			1	B	53 29 56		
			2	B	53 22 48		
			3	H	52 46 28		
			3	P	53 12 31		
			3	R	54 35 35		
Aug. 10 ..	65 31	83 20	3	B	53 15 28	53 49 10.9	On a floe of ice.
			4	P	53 57 55		
			4	H	55 04 35		
			4	R	53 52 54		
			4	B	52 57 50		
			5	B	55 25 00		
			1	P	50 51 45		
			1	H	50 10 55		
„ 13 ..	65 34	84 18½	1	R	49 57 16	50 33 58.7	On a floe of ice
			3	P	50 56 25		
			3	H	51 01 51		
			3	R	50 25 40		
„ 15 ..	65 28½	84 40	4	P	50 19 54	50 18 26	On shore, C. Welsford, Southampton Island.
			4	R	50 16 58		
„ 16 ..	65 27½	85 15	3	P	47 54 59	47 34 05	On shore, west side of Duke of York's Bay.
			3	H	47 13 11		
„ 19 ..	65 21	84 57	4	P	46 41 00	46 41 00	On a shoal, in Duke of York's Bay.
			1	P	Noon, Azimuth. 48 28 26		
			1	P	45 08 49		
			1	H	50 10 55		

OBSERVATIONS FOR THE VARIATION OF THE MAGNETIC NEEDLE,

made *on Shore* or *upon the Ice*, 1821, *continued.*

1821.	Latitude, N.	Longitude, W.	Compass No.	Observer.	Westerly Variation.	Mean Variation.	REMARKS.
	° ′	° ′ ″			° ′ ″	° ′ ″	
Aug. 21 ..	66 31	86 30 20	1	R	47 17 29	48 32 57.5	On shore at the north side of Repulse Bay. These observations serve to shew the extreme sluggishness of the horizontal needles at this station.
			1	B	48 26 03		
			3	H	50 07 15		
			3	B	49 46 01		
			4	R	49 03 42		
			3	P	40 23 32		These observations were taken very steadily on shore; we were not aware of any disturbing influence. The rocks were of gneiss
„ 27 ..	66 13½	81 11½	3	P	40 25 47	40 19 31.3	
			3	R	40 09 24		
			2	H	18 58 31		
			4	H	50 16 25		
			2	P	53 44 31		
„ 29 ..	66 12½	84 41	2	P	53 52 38	52 19 47.8	On the sea-beach at Duckett Cove
			2	H	51 37 32		
			5	R	52 29 07		
			1	H	57 12 25		
			3	H	57 01 02		
Sept. 9 ..	66 37½	84 11	3	H	57 01 58	57 03 22.2	On shore, east side of Lyon Inlet.
			3	H	56 58 04		
			2	H	53 17 10		
			2	H	47 15 07		
„ 17 ..	66 41¾	84 18 22	2	H	47 16 04	50 09 21.5	On shore, at the mouth of the west branch of Lyon Inlet No disturbing influence that we were aware of.
„ 18 ..			2	H	50 37 11		
			2	H	51 29 48		
			2	B	51 00 54		
„ 19 ..	66 24½	84 40	3	P	56 11 34	56 19 52.5	On the beach at the Head of Gore Bay.
			3	R	56 28 11		
„ 28 ..	66 32	83 49	1	R	54 46 23	54 46 23	On shore, Safety Cove.

OBSERVATIONS FOR THE VARIATION OF THE MAGNETIC NEEDLE, made *on Shore* or *upon the Ice*, 1822.

1822.	Latitude, N.	Longitude, W.	Compass No.	Observer.	Westerly Variation.	Mean Variation.	REMARKS.
July 6 ...	66° 56′	81° 39′	2	P	62° 17′ 00″	62° 17′ 00″	By astronomical bearings of a cape.
„ 9 ...	67 02½	81 28	2	F	65 09 00	65 12 46	Do. do. do.
			2	H	65 16 33		
„ 11 ...	67 11½	81 24	2	P	70 24 23	70 28 12	On shore.
			2	F	70 26 00		
			2	H	70 34 12		
„ 19 ...	69 21	80 02	2	F	78 53 00	79 20 52.5	On a floe of ice
			5	F	78 50 00		
			5	P	79 21 19		
			2	P	79 38 19		
			5	N	80 54 09		
			2	N	78 38 19		
			5	R	78 32 02		
			2	R	78 58 59		
			5	H	79 19 18		
			2	H	80 23 20		
„ 21 ...	69 33½	81 11	2	P	82 26 32	82 21 51	On a floe of ice.
			2	B	82 06 47		
			2	H	82 31 54		
„ 23 ...	69 21	81 33	5	R	80 29 25	80 29 25	Esquimaux tents, at Igloolik.
Aug. 5 ...	69 32	81 28	5	F	85 34 00	86 05 43	On a floe of ice
			2	F	87 13 00		
			5	P	86 13 06		
			5	P	86 37 24		
			2	P	86 13 57		
			2	H	86 01 28		
			5	H	85 30 49		
			2	Re	86 43 00		
			2	B	86 32 54		
			2	C	85 36 50		

OBSERVATIONS FOR THE VARIATION OF THE MAGNETIC NEEDLE, made *on Shore* or *upon the Ice*, 1822, *continued.*

1822.	Latitude, N.	Longitude, W.	Compass No.	Observer.	Westerly Variation.	Mean Variation.	REMARKS.
Aug. 5 ...	69 32	81 23	5	R	85 21 56	86 05 43	On a floe of ice
			5	R	86 19 23		
			5	R	86 20 25		
,, 6 ...			5	R	85 45 20		
			5	R	85 52 08		
			5	R	85 36 20		
,, 11 ...	69 32	81 37	5	R	87 20 23	87 20 09	On a floe of ice near Tern Island.
			5	R	87 19 55		
,, 14 ..	69 36	81 55	5	R	88 36 33	88 50 16.5	On a floe of ice near the Bouverie Islands.
			5	R	89 05 00		
			2	P	87 56 17		
			2	P	87 42 26		
			2	N	88 08 51		
Sept. 8...	69 48	83 29	2	N	87 24 03	89 18 19.4	On a floe of ice, in the Strait of the Fury and Hecla
,, 10...			2	F	90 48 07		
			2	P	90 41 43		
			2	C	91 40 50		
			2	H	90 04 18		

TABLE III.

THE Observations contained in this Table were made with the azimuth compasses, on Captain Kater's construction, placed on a stool on shore, and directed to a meridian mark.

They were made at different times of the day, with the view of detecting, if possible by this method, any diurnal change in the variation of the magnetic needle.

The compass was invariably removed, and directed and levelled afresh, between each of the Observations, whose number is given in the proper column.

The range of each set of Observations is inserted, for the purpose of shewing the degree of sluggishness, or the contrary, with which the compasses traversed. No. 2 was the most used, as being the most sensible.

The initials of the observers are the same as usual.

OBSERVATIONS for determining the Variation of the Magnetic Needle, at Winter Island.

DAY.	TIME. Hour.	A.M. or P.M.	Barometer.	Thermometers in the shade.	WIND.	WEATHER.		Observer.	No. of Observations.	No. of Compass.	Range of Observations.	Variation Westerly.	Mean variation observed near the same hour.
1821	H. M.		IN.	°							° ′	° ′ ″	° ′ ″
Nov. 13..	0 15	P.M.	29.84	+ 21	S.E.	Moderate	Hazy	P	10	2	1 38	56 41 20	
,,	0 30	,,	,,	,,	,,	,,	,,	H	10	2	1 50	56 37 00	56 34 55
,,	0 45	,,	,,	,,	,,	,,	,,	P	10	2	4 00	56 36 50	
,,	1 00	,,	,,	,,	,,	,,	,,	H	10	2	1 50	56 24 30	
,, 17..	0 15	,,	30.17	+ 2	North	Light	Fine	P	10	2	0 27	56 28 12	56 28 21
,,	0 35	,,	,,	,,	,,	,,	,,	H	10	2	0 32	56 28 30	
1822													
April 18..	4 45	A.M.	29.77	0	South	,,	,,	P	10	2	0 35	53 45 00	
,,	5 00	,,	,,	,,	,,	,,	,,	R	10	2	0 50	53 51 30	
,,	5 15	,,	,,	,,	,,	,,	,,	P	10	2	0 55	53 50 42	
,,	5 30	,,	,,	,,	,,	,,	,,	R	10	2	0 40	53 55 42	
,,	5 45	,,	,,	,,	,,	,,	,,	P	10	2	1 10	51 10 30	51 03 58
,,	6 00	,,	,,	,,	,,	,,	,,	R	10	2	0 55	54 01 30	
,,	6 15	,,	,,	,,	,,	,,	,,	P	10	2	1 18	54 31 54	
,,	6 30	,,	,,	,,	,,	,,	,,	R	10	2	0 55	51 25 00	
June 3...	6 25	P.M.	29.79	+ 35	,,	,,	Cloudy	P	10	2	1 15	53 55 00	
,,	6 35	,,	,,	,,	,,	,,	,,	H	10	2	1 25	54 08 00	
,,	6 45	,,	,,	,,	,,	,,	,,	P	10	2	0 50	53 54 00	
,,	6 57	,,	,,	,,	,,	,,	,,	H	10	2	1 35	53 56 00	
,,	7 10	,,	,,	,,	,,	,,	,,	P	10	2	0 40	53 27 12	
,,	7 20	,,	,,	,,	,,	,,	,,	H	10	2	1 10	53 14 00	
,,	7 30	,,	,,	,,	,,	,,	,,	P	10	2	1 25	53 58 00	
,,	7 40	,,	,,	,,	,,	,,	,,	H	10	2	0 50	53 55 00	53 37 58
,,	7 50	,,	,,	,,	,,	,,	,,	P	10	2	0 50	53 38 30	
,,	8 00	,,	,,	,,	,,	,,	,,	H	10	2	1 35	53 42 00	
,,	8 30	,,	,,	,,	,,	,,	,,	R	10	2	1 25	53 29 00	
,,	8 55	,,	,,	,,	,,	,,	,,	R	10	2	1 00	53 18 30	
,,	9 20	,,	,,	,,	,,	,,	,,	R	10	2	1 00	53 13 00	
,,	9 45	,,	,,	,,	,,	,,	,,	R	10	2	0 20	53 08 30	
,, 4...	6 45	A.M.	29.78	+ 38.5	North	Moderate	,,	H	10	2	1 05	52 28 00	
,,	7 00	,,	,,	,,	,,	,,	,,	P	10	2	1 10	52 02 00	
,,	7 15	,,	,,	,,	,,	,,	,,	H	10	2	1 50	52 53 30	52 30 37
,,	7 25	,,	,,	,,	,,	,,	,,	P	10	2	0 35	52 44 00	

OBSERVATIONS for determining the Variation of the Magnetic Needle, at Winter Island, *continued.*

DAY.	TIME. Hour.	TIME. A.M. or P.M.	Barometer.	Thermometers in the shade.	WIND.	WEATHER.		Observer.	No. of Observations.	No. of Compass.	Range of Observations.	Variation Westerly.	Mean variation observed near the same hour.
1822	H. M.		IN.	°							° ′	° ′ ″	° ′ ″
June 4...	0 40	P.M.	29.80	+ 41.5	North	Moderate	Cloudy	P	10	2	1 10	54 29 30	
"	0 50	"	"	"	"	"	"	H	10	2	2 05	54 15 30	53 42 07
"	1 05	"	"	"	"	"	"	P	10	2	1 20	53 16 00	
"	1 15	"	"	"	"	"	"	H	10	2	1 40	52 47 30	
"	8 40	"	"	+ 32	"	Light	"	P	10	2	0 35	53 15 30	53 30 45
"	8 55	"	"	"	"	"	"	H	10	2	1 00	53 46 00	
" 5...	6 45	A M.	29.72	"	N.W.	Moderate	"	H	10	2	1 05	51 15 30	
"	7 00	"	"	"	"	"	"	P	10	2	0 50	50 32 00	51 00 37
"	7 20	"	"	"	"	"	"	H	10	2	0 45	51 42 00	
"	7 30	"	"	"	"	"	"	P	10	2	1 50	50 33 00	
"	0 30	P.M.	29.69	+ 32.5	North	"	Small Snow	H	10	2	2 15	51 58 00	
"	0 45	"	"	"	"	"	"	P	10	2	1 15	52 15 00	51 54 28
"	1 00	"	"	"	"	"	"	H	9	2	1 30	51 50 53	
"	1 10	"	"	"	"	"	"	P	10	2	1 00	51 34 00	
"	7 30	"	29 66	+ 26	N.W.	"	Cloudy	H	10	2	1 45	53 46 00	
"	7 40	"	"	"	"	"	"	H	10	2	1 25	53 37 30	
"	7 55	"	"	"	"	"	"	H	10	2	0 55	53 50 00	
"	8 05	"	"	"	"	"	"	H	10	2	0 45	53 49 00	53 51 50
"	8 15	"	"	"	"	"	"	P	10	2	1 40	51 01 30	
"	8 25	"	"	"	"	"	"	P	10	2	1 00	51 22 00	
" 6...	8 10	A.M.	29.70	+ 28.5	"	"	Flying Clouds	P	10	2	1 05	52 05 00	52 16 30
"	8 55	"	"	"	"	"	"	H	10	2	1 00	52 28 00	
"	0 30	P.M.	29.71	+ 30	"	Light	"	H	10	2	0 50	54 20 00	
"	0 45	"	"	"	"	"	"	H	10	2	1 20	54 07 00	54 10 00
"	0 55	"	"	"	"		"	H	10	2	1 00	54 13 30	
"	1 00	"	"	"	"	"	"	P	10	2	1 05	53 59 30	
"	7 15	"	29 70	+ 26	North	Moderate	Cloudy	P	10	2	1 45	53 31 30	53 32 15
"	7 25	"	"	"	"	"	"	H	10	2	1 00	53 34 00	
" 7...	9 00	A.M.	29.69	+ 37	W.N.W.	Light	Flying Clouds	P	10	2	0 45	54 30 30	54 23 45
"	9 10	"	"	"	"	"	"	H	10	2	0 25	54 17 00	
"	0 20	P.M.	29.68	+ 41	S.W.	"	Dull	P	10	2	0 50	53 43 00	53 41 15
	0 35	"	"	"	"	"	"	H	10	2	1 45	53 39 30	

OBSERVATIONS for determining the Variation of the Magnetic Needle, at Winter Island, *continued*.

DAY.	TIME. Hour.	TIME. A.M. or P.M.	Barometer.	Thermometers in the shade.	WIND.	WEATHER.		Observer.	No. of Observations.	No. of Compass.	Range of Observations.	Variation Westerly.	Mean variation observed near the same hour.
1822	H. M.		IN.	°							° ′	° ′ ″	° ′ ″
June 7...	8 10	P.M.	29.60	+ 28	SW.	Moderate	Dull	P	10	2	1 15	53 39 00	
,,	8 30	,,	,,	,,	,,	,,	,,	H	10	2	1 25	53 53 30	
,,	10 15	,,	,,	,,	,,	,,	,,	R	10	2	0 45	54 28 30	54 06 15
,,	10 30	,,	,,	,,	,,	,,	,,	R	10	2	1 05	54 19 30	
,,	10 40	,,	,,	,,	,,	,,	,,	R	10	5	1 30	54 22 00	
,,	10 55	,,	,,	,,	,,	,,	,,	R	10	5	1 15	54 00 00	
,, 8...	7 05	A.M.	29.52	+ 22	N.N.W.	Fresh	Cloudy	P	10	2	0 50	53 43 00	53 42 45
,,	7 15	,,	,,	,,	,,	,,	,,	H	10	2	0 25	53 42 30	
,,	10 15	,,	29.54	+ 25.5	,,	,,	,,	R	10	2	1 10	53 51 00	
,,	10 30	,,	,,	,,	,,	,,	,,	R	10	2	1 10	54 18 00	
,,	10 45	,,	,,	,,	,,	,,	,,	R	10	2	1 20	54 27 30	
,,	11 00	,,	,,	,,	,,	,,	Clear	R	10	5	1 15	53 25 30	54 00 04
,,	11 15	,,	,,	,,	,,	,,	,,	R	10	5	1 00	54 01 00	
,,	11 30	,,	,,	,,	,,	,,	,,	R	10	5	1 15	53 58 30	
,,	0 30	P.M.	,,	,,	,,	,,	,,	H	10	2	0 55	54 09 00	
,,	7 35	,,	29.56	,,	W N.W.	,,	Cloudy	H	10	2	0 40	53 31 00	53 29 30
,,	7 45	,,	,,	,,	,,	,,	,,	H	10	2	0 50	53 48 00	
,, 9...	6 00	A.M.	29.53	+ 27	N.W.	,,	,,	R	10	5	1 10	54 20 00	
,,	6 15	,,	,,	,,	,,	,,	,,	R	10	5	2 10	54 27 00	
,,	6 30	,,	,,	,,	,,	Strong	,,	R	10	2	1 10	54 02 00	54 19 45
,,	7 10	,,	,,	,,	,,	,,	,,	R	10	2	1 30	54 00 00	
,,	7 45	,,	,,	,,	,,	,,	Clear	P	10	1	8 15	54 27 30	
,,	7 55	,,	,,	,,	,,	,,	,,	H	10	1	2 25	54 42 00	
,,	0 35	P.M.	29.64	+ 30	,,	,,	,,	P	10	1	3 35	54 43 30	54 51 30
,,	0 45	,,	,,	,,	,,	,,	,,	H	10	1	1 50	55 05 30	
,,	8 00	,,	29.75	+ 32	N.N.W.	Moderate	Flying Clouds	H	10	1	2 50	54 35 30	54 12 30
,,	8 15	,,	,,	,,	,,	,,	,,	H	10	2	1 05	53 49 30	
,, 10..	7 30	A.M.	29.74	+ 29	N.W.	Fresh	Clear	P	10	1	2 45	54 33 30	54 26 30
,,	7 45	,,	,,	,,	,,	,,	,,	H	10	1	3 40	54 19 30	
,,	0 50	P.M	29.98	+ 30	,,	,,	Cloudy	H	10	1	4 05	54 11 00	
,,	1 05	,,	,,	,,	,,	,,	,,	H	10	2	0 40	53 41 00	53 55 30
,,	1 20	,,	,,	,,	,,	,,	,,	H	10	5	1 40	53 54 00	

OBSERVATIONS for determining the Variation of the Magnetic Needle, at Winter Island, *continued.*

DAY.	TIME. Hour.	A.M. or P.M.	Barometer.	Thermometers in the shade.	WIND.	WEATHER.		Observer.	No. of Observations.	No. of Compass.	Range of Observations.	Variation Westerly.	Mean variation observed near the same hour.
1822	H. M.		IN.	°							° ′	° ′ ″	° ′ ″
June 10..	8 40	P.M.	29.96	+ 29	N.W.	Moderate	Cloudy	H	10	2	1 30	53 50 00	53 52 00
„	8 50	„	„	„	„	„	„	H	10	5	2 55	53 54 00	
„ 11..	7 45	A.M.	29.81	+ 31	„	„	„	P	10	5	3 35	53 45 30	53 52 15
„	7 55	„	„	„	„	„	„	H	10	5	2 30	53 59 00	
„	9 00	„	29.80	+ 34	W.N.W.	„	„	R	10	5	1 20	54 28 30	
„	9 15	„	„	„	„	„	„	R	10	5	2 00	54 24 00	
„	9 40	„	„	„	„	„	„	R	10	2	0 40	54 49 00	
„	10 00	„	„	„	„	„	„	R	10	2	1 05	55 06 30	
„	10 20	„	„	„	„	„	„	R	10	2	0 35	54 39 30	
„	10 45	„	„	„	„	„	„	R	10	2	2 10	54 18 30	
„	11 00	„	„	„	„	„	„	R	10	5	1 40	54 34 00	54 31 32
„	11 20	„	„	„	„	„	„	R	10	5	2 15	54 46 00	
„	11 35	„	„	„	„	„	„	R	10	1	2 10	54 19 00	
„	11 50	„	„	„	„	„	„	R	10	1	1 35	54 44 30	
„	0 30	P.M.	„	„	„	„	„	P	10	1	2 35	54 54 30	
„	0 40	„	„	„	„	„	„	H	10	5	2 40	54 04 00	
„	0 50	„	„	„	„	„	„	P	10	2	0 30	54 04 30	
„	1 00	„	„	„	„	„	„	H	10	2	0 25	54 09 00	
„	6 30	„	29.71	+ 31	S.W.	Fresh	„	B	10	2	1 05	53 46 30	53 45 15
„	8 45	„	„	„	„	„	„	H	10	2	1 10	53 44 00	
„ 12..	7 55	A.M.	29.54	+ 30	North	„	„	H	10	2	1 15	53 32 00	53 32 00
„	11 30	„	29.64	+ 31	„	„	„	B	10	2	1 15	54 15 30	
„	0 30	P.M.	„	„	„	„	„	H	10	2	1 55	53 44 00	53 58 30
„	0 40	„	„	„	„	„	„	P	10	5	3 25	53 56 00	
„	7 55	„	29.84	+ 25	„	„	Clear	P	10	2	1 05	54 01 00	54 08 15
„	8 05	„	„	„	„	„	„	H	10	2	0 35	54 15 30	
„ 13..	7 40	A.M.	29.82	+ 34	„	„	Cloudy	H	10	2	1 35	53 45 30	53 51 15
„	7 55	„	„	„	„	„	„	P	10	2	0 35	53 57 00	
„	0 35	P.M.	29.96	+ 39	„	„	Clear	P	10	2	0 30	53 48 30	
„	0 45	„	„	„	„	„	„	H	10	2	1 10	53 46 30	53 48 48
„	1 30	„	„	+ 36	„	„	„	R	10	2	1 45	53 05 00	
„	2 40	„	„	„	„	„	„	R	10	2	1 15	54 05 30	

OBSERVATIONS for determining the Variation of the Magnetic Needle, at Winter Island, *continued*.

DAY.	TIME. Hour.	A.M. or P.M.	Barometer.	Thermometers in the shade.	WIND.	WEATHER.		Observer.	No. of Observations. n	No of Compass.	Range of Observations.	Variation Westerly.	Mean variation observed near the same hour.
1822	H. M.		IN.	°							° ′	° ′ ″	° ′ ″
June 13..	3 00	P.M.	29.96	+ 36	North	Fresh	Clear	R	10	2	0 40	54 18 30	53 48 48
,,	7 10	,,	29.94	+ 35	N.N.W.	Moderate	,,	H	10	2	1 45	53 36 00	
,,	7 20	,,	,,	,,	,,	,,	,,	H	10	2	0 45	53 34 30	
,,	9 45	,,	,,	,,	,,	,,	,,	R	10	1	1 15	54 18 30	
,,	10 00	,,	,,	,,	,,	,,	,,	R	10	1	1 30	54 21 30	
,,	10 20	,,	,,	,,	,,	,,	,,	R	10	1	1 05	54 06 00	
,,	10 30	,,	,,	,,	,,		,,	R	10	1	1 10	54 13 00	54 06 30
,,	10 45	,,	,,	,,	,,	,,	,,	R	10	5	2 20	54 06 30	
,,	11 10	,,	,,	,,	,,	,,	,,	R	11	5	2 00	54 41 33	
,,	11 20	,,	,,	,,	,,	,,	,,	R	10	2	1 00	54 00 30	
,,	Mid.	,,	,,	,,	,,	,,	,,	R	10	2	1 20	54 07 00	
,, 14..	7 40	A.M.	,,	,,	South	Light	Cloudy	P	10	2	0 45	53 52 00	
,,	7 50	,,	,,	,,	,,	,,	,,	H	10	2	0 50	53 45 00	
,,	9 45	,,	,,	,,	,,	,,	,,	R	10	2	1 30	53 41 30	
,,	10 15	,,	,,	,,	,,	,,	,,	R	10	2	1 20	53 38 30	53 51 45
,,	10 30	,,	,,	,,	,,	,,	,,	R	10	5	1 50	54 07 30	
,,	11 00	,,	,,	,,	,,	,,	,,	R	10	5	2 00	54 06 00	
,,	0 30	P.M.	29.90	+ 44	S.E.	Moderate	,,	P	10	2	0 50	53 34 00	
,,	0 45	,,	,,	,,	,,	,,	,,	H	10	2	0 55	53 41 00	53 37 30
,,	7 15	,,	29.85	+ 27	,,	,,	,,	B	10	2	1 50	53 44 00	
,,	7 45	,,	,,	,,	,,	,,	,,	H	10	2	0 50	53 27 00	53 33 30
,,	8 00	,,	,,	,,	,,	,,	,,	H	10	2	0 25	53 29 30	
,, 15..	7 40	A.M.	29.70	,,	North	Fresh	,,	H	10	2	0 55	53 50 00	
,,	7 50	,,	,,	,,	,,	,,	,,	P	10	2	0 45	53 57 00	53 53 30
,,	7 00	P.M.	29.60	,,	,,	,,	,,	B	10	2	1 30	54 05 00	
,,	7 20	,,	,,	,,	,,	,,	,,	B	10	2	2 00	54 13 30	54 09 15
,, 16..	9 15	A.M.	29.54	+ 40	N.W.	Light	Clear	H	10	2	1 15	55 06 30	
,,	9 30	,,	,,	,,	,,	,,	,,	H	10	2	1 05	55 01 30	
,,	9 45	,,	,,	,,	,,	,,	,,	H	10	5	2 25	55 02 30	
,,	10 30	,,	,,	,,	,,	,,	,,	B	10	2	1 15	54 50 30	
,,	10 45	,,	,,	,,	,,	,,	,,	B	10	2	1 15	54 07 00	54 30 38
,,	11 00	,,	,,	,,	,,	,,	,,	C	10	2	0 50	54 13 00	

OBSERVATIONS for determining the Variation of the Magnetic Needle, at Winter Island, *continued.*

DAY.	TIME. Hour.	TIME. A.M. or P.M.	Barometer	Thermometer in the shade.	WIND.	WEATHER.	Observer.	No. of Observations.	No. of Compass.	Range of Observations.	Variation Westerly	Mean variation observed near the same hour.
1822 June 16..	H. M. 11 10	A.M.	IN. 29 51	+ 40°	N.W.	Light Cloudy	C	10	2	° ′ 1 10	° ′ ″ 53 41 00	° ′ ″
,,	11 20	,,	,,	,,	,,	,, ,,	C	10	2	2 10	54 03 00	
,,	0 55	P.M.	,,	+ 42	W.N.W.	Moderate ,,	H	9	2	1 25	54 01 27	54 41 43
,,	1 10	,,	,,	,,	,,	,, ,,	P	10	2	1 20	55 22 00	
,,	7 40	,,	,,	+ 39	,,	,, ,,	B	10	2	2 45	55 15 00	
,,	7 50	,,	,,	,,	,,	,, ,,	B	10	2	3 30	52 59 30	
,,	8 10	,,	,,	,,	,,	,, ,,	C	10	2	2 00	55 36 00	54 50 22
,,	8 20	,,	,,	,,	,,	,,	C	10	2	2 00	54 31 00	
,,	10 00	,,	,,	+ 36	,,	,,	R	10	2	1 10	53 59 30	
,,	10 15	,,	,,	,,	,,	,, ,,	R	10	2	0 50	53 49 30	
,,	10 30	,,	,,	,,	,,	,, ,,	R	10	2	2 20	53 48 30	53 57 85
,,	10 45	,,	,,	,,	,,	,, ,,	R	10	5	2 30	53 58 30	
,,	11 00	,,	,,	,,	,,	,, ,,	R	10	5	2 05	53 49 30	
,,	11 15	,,	,,	,,	,,	,,	R	10	5	2 15	54 20 00	
,, 17..	7 40	A.M.	29 70	+ 39	,,	,,	P	10	5	0 50	54 07 30	53 50 30
,,	7 55	,,	,,	,,	,,	,, ,,	H	10	2	1 15	53 33 30	
,,	1 10	P.M.	,,	+ 40	,,	,, ,,	B	10	2	1 30	53 02 00	53 02 00
,,	1 30	,,	,,		,,	,, ,,	B	10	2	2 30	53 02 00	
Mean Variation by 60 Observations made in the Autumn of 1821.....											56 32 45 7	
Mean Variation by 1719 Observations made in the Spring of 1822.											53 51 50 2	

OBSERVATIONS for determining the Variation of the Magnetic Needle, at Igloolik, 1823.

DAY.	TIME. Hour.	A.M. or P.M.	Barometer.	Thermometers in the shade.	WIND.	WEATHER.	Observer.	No. of Observations.	No. of Compass.	Range of Observations.	Variation Westerly.
1823	H. M.		IN.	°						° ′	° ′ ″
April 28..	6 00	A.M.	30.13	Zero	North	Light airs with small snow.	R	10	5	1 30	80 15 00
,,	6 15	,,	,,	,,	,,	,, ,,	R	10	5	1 10	80 00 00
,,	6 30	,,	,,	,,	,,	,, ,,	R	10	5	1 05	79 59 00
,,	7 00	,,	,,	,,	,,	,, ,,	R	10	5	1 30	79 57 00
,,	7 20	,,	,,	,,	,,	,, ,,	R	10	5	1 25	80 02 00
,,	Noon		30.10	+ 11	,,	,, ,,	R	10	5	1 05	81 34 30
,,	0 20	P.M.	,,	,,	,,	,, ,,	R	10	5	1 10	81 38 00
,,	0 40	,,	,,	,,	,,	,, ,,	R	10	5	0 45	82 04 30
,,	1 00	,,	,,	,,	,,	,, ,,	R	10	5	1 20	82 04 00
,,	1 20	,,	,,	,,	,,	,, ,,	R	10	5	1 10	81 59 00
,, 21..	3 40	,,	29.89	+ 7	N.N.W.	Moderate breezes and fine.	R	10	5	1 25	81 19 30
,,	4 10	,,	,,	,,	,,	,, ,,	R	10	5	1 10	81 25 00
,,	4 30	,,	,,	,,	,,	,, ,,	R	10	5	1 50	81 18 30
,,	5 00	,,	,,	,,	,,	,, ,,	R	10	5	1 30	81 27 00
,,	5 30	,,	,,	,,	,,	,, ,,	R	10	5	1 35	81 28 00
,, 28..	7 00	A.M.	30.00	+ 18	S.S.E.	Light breezes and cloudy.	R	10	5	2 30	82 28 30
,,	7 35	,,	,,	,,	,,	,, ,,	R	10	5	1 40	83 10 00
,,	7 50	,,	,,	,,	,,	,, ,,	R	10	5	2 00	82 41 00
,,	0 15	P.M.	29.98	+ 26	South	Light breezes and fine.	R	10	5	2 30	83 20 30
,,	0 30	,,	,,	,,	,,	,, ,,	R	10	5	3 30	82 36 00
,,	0 45	,,	,,	,,	,,	,, ,,	R	10	5	2 20	82 30 30
,,	1 00	,,	,,	,,	,,	,, ,,	R	10	5	1 30	82 52 00
,,	1 10	,,	,,	,,	,,	,, ,,	P	10	5	2 40	83 04 30
,,	5 40	P.M.	29.90	+ 20	,,	Fresh breezes and squally.	R	10	5	1 10	83 15 00
,,	6 00	,,	,,	,,	,,	,, ,,	R	10	5	1 40	83 37 30
,,	6 20	,,	,,	,,	,,	,, ,,	R	10	5	1 45	83 37 00
,,	6 40	,,	,,	,,	,,	,, ,,	R	10	5	1 55	83 32 00
,, 29..	5 55	A.M.	29.78	+ 22	,,	Light breezes with snow.	R	10	2	2 10	81 03 00
,,	6 15	,,	,,	,,	,,	,, ,,	R	10	2	2 25	81 34 30
,,	6 30	,,	,,	,,	,,	,, ,,	R	10	2	2 25	81 28 00
,,	0 45	P.M	29.80	+ 25	Northerly	Moderate with small snow.	C	10	2	3 20	81 25 00
,,	1 00	,,	,,	,,	,,	,, ,,	C	10	2	3 00	80 27 00

OBSERVATIONS for determining the Variation of the Magnetic Needle, at Igloolik, 1823, *continued.*

DAY.	TIME. Hour.	TIME. A.M. or P.M.	Barometer.	Thermometer in the shade.	WIND.	WEATHER.	Observer.	No. of Observations.	No. of Compass.	Range of Observations.	Variation Westerly.
1823	H. M.		IN.	°						° ′	° ′ ″
April 29..	5 40	P.M.	29.88	+ 20	Northerly	Light breezes and cloudy.	R	10	2	4 10	81 12 00
,,	6 00	,,	,,	19	,,	,, ,,	R	10	2	4 00	81 20 30
,,	6 20	,,	,,	18	,,	,, ,,	R	10	2	4 45	82 23 00
,,	6 40	,,	,,	17	,,	,, ,,	R	10	5	3 55	81 37 00
,,	7 00	,,	,,	15	,,	,, ,,	R	10	5	3 05	81 51 00
,, 30..	5 00	,,	30.08	9	N.W.	Moderate and fine, squalls at times.	P	10	5	3 45	82 19 00
,,	5 25	,,	,,	,,	,,	,, ,,	P	10	5	2 10	83 27 30
May 1....	6 30	A.M.	30.05	Zero	West	Light winds and clear.	C	10	5	2 30	81 57 00
,,	6 45	,,	,,	,,	,,	,, ,,	C	10	5	1 30	81 40 00
,,	7 00	,,	,,	,,	,,	,, ,,	C	10	5	1 30	81 30 00
,,	0 15	P.M.	30.00	+ 15	N.W.	Light airs and cloudy	R	10	5	3 45	81 59 00
,,	0 30	,,	,,	,,	,,	,, ,,	R	10	5	2 10	82 09 00
,,	0 50	,,	,,	,,	,,	,, ,,	R	10	5	3 30	82 01 00
,,	1 20	,,	,,	,,	,,	,, ,,	R	10	2	2 45	81 59 30
,,	1 40	,,	,,	,,	,,	,, ,,	R	10	2	2 50	81 56 30
,,	5 00	,,	,,	+ 10	Northerly	Light winds and fine.	C	10	5	2 10	82 26 00
,,	5 20	,,	,,	,,	,,	,, ,,	C	10	5	3 20	82 56 00
,,	5 40	,,	,,	,,	,,	,, ,,	C	10	5	3 00	82 81 00
,,	6 30	,,	29.90	+ 4	N.E.	Light airs and cloudy	R	10	5	3 05	80 03 30
,,	6 50	,,	,,	,,	,,	,, ,,	R	10	5	2 30	80 04 30
,,	7 15	,,	,,	,,	,,	,, ,,	R	10	5	2 40	80 14 00
,,	7 30	,,	,,	,,	,,	,, ,,	R	10	2	2 50	80 42 00
,,	7 45	,,	,,	,,	,,	,, ,,	R	10	2	3 20	80 19 00
,, 2...	0 30	,,	30.00	+ 16	,,	Moderate and cloudy	C	10	2	3 00	80 38 00
,,	0 45	,,	,,	,,	,,	,, ,,	C	10	2	3 20	81 49 00
,,	6 30	,,	,,	,,	Northerly	,, ,,	C	10	2	4 50	81 06 00
,,	6 45	,,	,,	,,	,,	,, ,,	C	10	2	4 00	81 15 00
,, 5...	4 30	,,	30.07	+ 37	S E.	Light, hazy and sleet.	C	10	5	3 30	83 47 00
,,	5 00	,,	,,	+ 30	,,	,, ,,	C	10	5	3 00	83 57 00
,,	5 15	,,	,,	,,	,,	,, ,,	C	10	5	4 10	83 36 00
,,	6 10	,,	,,	,,	,,	Light airs and cloudy.	R	10	5	3 00	83 40 30
,,	6 30	,,	,,	+ 28	,,	,, ,,	R	10	5	3 30	83 28 30

OBSERVATIONS for determining the Variation of the Magnetic Needle, at Igloolik, 1823, *continued.*

DAY.	TIME. Hour.	TIME. A.M. or P.M.	Barometer.	Thermometers in the shade.	WIND.	WEATHER.	Observer.	No. of Observations.	No. of Compass.	Range of Observations.	Variation Westerly.
1823	H. M.		IN.	°						° ′	° ′ ″
May 5 ...	6 50	P.M.	30.07	+ 27	East	Light airs and fine	R	10	2	3 45	82 18 00
,,	7 10	,,	,,	26	,,	,, ,,	R	10	2	2 55	82 32 00
,,	7 30	,,	,,	24	,,	,, ,,	R	10	2	3 20	82 25 30
,,	7 50	,,	,,	22	,,	,, ,,	R	10	5	3 30	83 23 00
,, 10..	6 30	,,	30.42	31	N.W.	Light winds and fine	H	10	5	1 30	82 05 00
,,	7 00	,,	,,	,,	,,	,, ,,	H	10	5	1 05	82 18 30
,,	7 20	,,	,,	30	,,	,, ,,	H	10	2	1 30	81 35 00
,,	7 40	,,	,,	,,	,,	,, ,,	H	10	2	0 50	81 19 30
,, 18..	6 15	A.M.	30.02	+ 20	,,	Light winds and clear	C	10	2	3 10	80 47 00
,,	6 30	,,	,,	,,	,,	,, ,,	C	10	2	3 10	80 43 00
,,	7 00	,,	,,	,,	,,	,, ,,	C	10	5	2 10	80 52 00
,,	7 30	,,	,,	,,	,,	,, ,,	C	10	5	2 40	81 43 00
,, 14..	6 40	,,	29.95	+ 17	W.S.W.	Light airs and cloudy	H	10	5	0 50	81 47 30
,,	6 50	,,	,,	17	,,	,, ,,	H	10	5	0 50	81 41 30
,,	7 10	,,	,,	19	,,	,, ,,	H	10	2	1 20	81 40 00
,,	7 20	,,	,,	20	,,	,, ,,	H	10	2	1 05	81 40 30
,,	11 30	,,	29.98	31	N W.	Light winds and fine.	C	10	2	4 30	81 52 00
,,	11 45	,,	,,	,,	,,	,, ,,	C	10	2	3 30	82 45 00
,,	0 20	P.M.	,,	36	Southerly	,, ,,	H	10	5	1 35	82 48 00
,,	0 30	,,	,,	,,	,,	,, ,,	H	10	5	2 10	82 44 00
,,	0 50	,,	,,	,,	,,	,, ,,	H	10	2	0 40	81 54 30
,,	1 00	,,	,,	,,	,,	,, ,,	H	10	2	1 10	82 04 30
,,	6 30	,,	29.85	24.5	S.E	Light airs with small snow.	H	10	2	0 50	81 48 00
,,	6 40	,,	,,	,,	,,	,, ,,	H	10	2	1 05	81 44 00
,,	7 00	,,	,,	,,	,,	,, ,,	H	10	5	1 15	81 47 30
,,	7 15	,,	,,	,,	,,	,, ,,	H	10	5	1 25	81 46 00
,, 24..	10 00	A.M.	29 64	34	,,	Moderate and hazy with snow.	R	10	5	2 45	82 38 30
,,	10 20	,,	,,	,,	,,	,, ,,	R	10	5	2 30	82 31 00
,,	10 40	,,	,,	,,	,,	,, ,,	R	10	5	3 45	82 24 00
,,	11 10	,,	,,	,,	,,	,, ,,	R	10	2	2 20	82 08 00
,,	11 30	,,	,,	,,	,,	,, ,,	R	10	2	3 40	82 06 00
,,	11 50	,,	,,	,,	,,	,, ,,	R	10	2	3 40	82 25 00

OBSERVATIONS for determining the Variation of the Magnetic Needle, at Igloolik, 1823, *continued*.

DAY.	TIME. Hour.	A.M. or P.M.	Barometer.	Thermometer in the shade.	WIND.	WEATHER.	Observer.	No. of Observations.	No. of Compass.	Range of Observations.	Variation Westerly.
1823	H. M.		IN.	°.						° ′	° ′ ″
May 24..	10 00	P.M.	29.82	+ 26	S.E.	Moderate and hazy with snow.	R	10	2	3 20	81 46 30
,,	10 20	,,	,,	,,	,,	,, ,,	R	10	2	3 30	81 25 30
,,	10 40	,,	,,	,,	,,	,, ,,	R	10	2	2 30	81 34 30
,,	11 05	,,	,,	,,	,,	,, ,,	R	10	5	3 15	82 17 30
,,	11 30	,,	,,	,,	,,	,, ,,	R	10	5	2 40	81 49 30
,,	11 50	,,	,,	,,	,,	,, ,,	R	10	5	2 20	81 48 00
,, 26..	6 30	A.M.	,,	35	S S.E	Light breezes and cloudy	H	10	5	1 25	82 06 00
,,	6 45	,,	,,	,,	,,	,, ,,	H	10	5	1 15	82 05 00
,,	7 00	,,	,,	36	,,	,, ,,	H	10	2	1 35	81 56 00
,,	7 15	,,	,,	,,	,,	,, ,,	H	10	2	1 25	82 01 30
,,	2 15	P.M	29.83	19	South	,, ,,	H	10	2	1 45	82 52 30
,,	2 30	,,	,,	,,		,, ,,	H	10	2	2 00	82 49 00
,,	2 40	,,	,,	,,	,,	,, ,,	H	10	5	1 10	83 45 30
,,	2 50	,,	,,	,,	,,	,, ,,	H	10	5	1 15	83 40 30
,,	7 00	,,	29.87	39	Southerly	,, ,,	H	10	5	2 05	81 45 00
,,	7 10	,,	,,	,,	,,	,, ,,	H	10	5	1 00	81 56 00
,,	7 20	,,	,,	,,	,,	,, ,,	H	10	2	0 40	81 28 00
,,	7 30	,,	,,	,,	,,	,, ,,	H	10	2	0 35	81 33 00
,, 27..	9 40	A.M.	30.04	24	West	Light airs and fine.	R	10	2	3 30	79 37 30
,,	10 00	,,	,,	,,	,,	,, ,,	R	10	2	2 30	79 16 30
,,	10 20	,,	,,	,,	,,	,, ,,	R	10	2	2 00	79 42 30
,,	10 40	,,	,,	,,	,,	,, ,,	R	10	5	2 05	81 20 00
,,	11 00	,,	,,	,,	,,	,, ,,	R	10	5	2 50	81 33 00
,,	11 20	,,	,,	,,	,,	,, ,,	R	10	5	2 30	81 28 20
,,	10 00	P.M.	30.15	18	Calm	Fine.	R	10	5	2 30	82 17 00
,,	10 30	,,	,,	,,	,,	,,	R	10	2	4 15	81 17 30
,, 28..	9 30	A.M.	30.04	36	Westerly	Light airs and cloudy	C	10	2	2 20	82 46 00
,,	9 45	,,	,,	,,	,,	,, ,,	C	10	2	2 30	82 05 00
,,	10 00	,,	30.03	37	,,	,, ,,	C	10	2	2 30	82 19 00
,,	10 20	,,	,,	,,	,,	,, ,,	C	10	5	2 30	81 40 00
,,	10 40	,,	,,	,,	,,	,, ,,	C	10	5	2 20	82 15 00
,,	11 00	,,	,,	40	,,	,, ,,	C	10	5	2 40	82 13 00

OBSERVATIONS for determining the Variation of the Magnetic Needle, at Igloolik, 1823, *concluded.*

DAY.	TIME. Hour.	A.M. or P.M.	Barometer.	Thermometers in the shade.	WIND.	WEATHER.	Observer.	No. of Observations.	No. of Compass.	Range of Observations.	Variation Westerly.
1823	H. M.		IN.	°						° ′	° ′ ″
May 28..	2 30	P.M.	30.03	+ 46	Southerly	Light airs and cloudy	P	10	5	4 00	82 06 00
,,	2 50	,,	,,	,,	,,	,, ,,	P	10	5	3 20	81 43 30
,,	3 15	,,	,,	,,	,,	,, ,,	P	10	5	5 40	81 11 00
June 6 ...	4 00	,,	29.90	27	North	Light breezes and cloudy.	B	10	5	4 50	83 35 00
,,	4 15	,,	,,	,,	,,	,, ,,	B	10	5	8 00	85 20 00
,,	4 40	,,	,,	,,	,,	,,	B	10	5	7 45	85 19 30
,,	5 00	,,	,,	,,	,,	,, ,,	B	10	5	6 15	83 23 30
,,	5 15	,,	,,	,,	,,	,, ,,	B	10	2	2 00	82 31 00
,,	5 30	,,	,,	,,	,,	,, ,,	B	10	2	1 15	82 39 00
,,	5 45	,,	,,	,,	,,	,, ,,	B	10	2	2 30	82 35 00
July 4 ...	3 30	,,	29.48	+ 40	N.W	Moderate and cloudy	H	10	5	3 05	82 46 30
,,	4 45	,,	,,	,,	,,	,, ,,	H	10	5	2 05	82 31 30
,,	5 00	,,	,,	,,	,,	,, ,,	H	10	5	1 55	82 30 30
,,	5 15	,,	,,	,,	,,	,, ,,	H	10	2	2 15	82 41 30
,,	5 30	,,	,,	,,	,,	,, ,,	H	10	2	0 50	82 31 00
,,	5 45	,,	,,	,,	,,	,, ,,	H	10	2	1 10	82 15 00
						Mean Variation by 144 sets of Observations.....					82 01 01

OBSERVATIONS for the Variation of the Magnetic Needle made at Sea, on Board His Majesty's Ship Fury, 1821, 1822, and 1823.

DAY.	North Latitude.	Longitude.	Ship's Head.	Observer.	Westerly Variation.	REMARKS
1821.	° ′	° ′			° ′ ″	
May...8	53 21	3 17 E.	N.N.E.	P	22 44 45	
„ 9	54 00	2 53 „	N.¼W.	R	25 09 50	
„ „	54 54	2 10 „	N.byE.½N	P	25 01 40	
„ 10	56 28	1 33 „	N.N.E.	R	24 20 06	
„ „	56 28	1 33 „	N.N.E.¼E.	P	23 16 19	
„ 11	57 17	1 30 „	N.N.E.	P	22 32 45	
„ 12	57 41	1 45 „	N.N.E.	R	23 56 00	
„ „	58 15	1 45 „	W.S.W.	P	27 56 15	
„ „	58 15	1 45 „	W.S.W.	R	26 47 30	
„ 13	58 18	1 03 „	W.S.W.	P	28 13 08	
„ „	58 04	1 17 „	W.S.W.	R	27 24 50	
„ „	58 19	1 06 „	N.W.by W.	R	27 19 18	
„ 15	57 51	1 32 W	E ½N.	P	24 40 04	
„ „	57 39	0 45 „	N.W.byN.	R	27 13 24	
„ „	58 48	1 40 „	E.½N.	R	24 52 38	
„ 16	58 43	1 29 „	N.E.	P	23 39 30	
„ „	57 56	2 07 „	E.N.E.	R	23 52 20	
„ „	58 07	1 39 „	N.E.	R	24 33 52	
„ 30	58 50	5 58 „	W.N.W.	P	33 34 36	
„ „	58 49	6 35 „	W.N.W.	R	34 10 18	
„ „	58 48	6 38 „	W.N.W.	H	32 35 53	
„ 31	58 28	10 30 „	W.N.W.	P	36 46 38	
„ „	58 28	10 30 „	W.N.W.	R	36 06 05	
„ „	58 26	10 48 „	W.N.W.	H	36 29 54	
June...4	57 34	27 19 „	N.W.¼W.	P	43 08 30	
„ 6	57 18	32 24 „	N.W.	R	44 44 28	
„ 8	57 31	38 58 „	N.W.	P	46 27 35	
„ „	57 31	40 49 „	N.W.	P	47 31 30	
„ „	57 31	40 49 „	N.W.	R	48 25 10	
„ „	57 31	40 44 „	N.W.½N.	H	49 32 38	
„ 9	57 57	43 29 „	N.W.	R	48 26 51	
„ 10	58 16	44 40 „	N.W.byN.	R	48 01 00	
„ „	58 18	44 40 „	N.N.W.	H	47 46 56	
„ 14	60 54	53 34 „	N.N.W.½W.	R	51 09 24	
„ 15	60 58	55 08 „	N.byW.	R	51 29 00	
„ „	60 58	55 17 „	North.	P	51 30 25	