

II. *A Catalogue of the Eclipses of Jupiter's Satellites, for the Year 1736. computed to the Meridian of the Royal Observatory at Greenwich, by James Hodgson, F. R. S. Master of the Royal Mathematical School in Christ's Hospital, London.*

ECLIPSES of the first Satellite of JUPITER.

D.	H.	M.	S.	D.	H.	M.	S.	M.	H.	D.	S.
JANUARY.				15	21	35	22	20	12	45	54
				Immersions.				17	16	4	12
Jupiter and the Sun in Conjunction.				19	10	33	3	24	1	43	56
				21	5	1	56	25	20	12	53
27				22	23	30	50	27	14	41	50
				24	17	59	46*	29	9	10	50
29				26	12	28	44	31	3	39	45
				28	6	57	41	APRIL.			
30				MARCH.				Immersions.			
27				Immersions.				1	22	8	41
29				1	1	26	40	3	16	37	36
30				2	19	55	40	5	11	6	30*
FEBRUARY.				4	14	24	39	7	5	35	22
Immersions.				6	8	53	40	9	0	4	14
1	17	45	38	8	3	22	42	10	18	33	01
3	12	14	15	9	21	51	43	12	13	1	53
5	6	42	51	11	16	20	44*	14	7	30	39
7	1	11	32	13	10	49	49	16	1	59	24
8	19	40	14	15	5	18	51	17	20	28	7
10	14	8	58	16	23	47	52	19	14	56	47*
12	8	37	44	18	18	16	52	21	9	25	26
14	3	6	30								

## ECLIPSES of the first Satellite of JUPITER.

D.	H.	M.	S.	D.	H.	M.	S.	D.	H.	M.	S.
23	3	54	4	4	15	13	50*	22	9	59	25*
24	22	22	41	6	9	41	59	24	4	28	14
26	16	51	16	8	4	10	5	Emerfions.			
28	11	19	48	9	22	38	13				
30	5	48	21	11	17	06	22	Emerfions.			
MAY.				13	11	34	30*				
				Immerfions.				15	6	2	39
2	0	16	50	17	0	30	50	27	19	42	56
3	18	45	20	18	18	59	0	29	14	11	48*
5	13	13	45*	20	13	27	11*	31	8	40	45*
7	7	42	10	22	7	55	23	AUGUST.			
9	2	10	33	24	2	23	37				
10	20	38	55	25	20	51	51	2	3	9	47
12	15	7	15*	27	15	20	8*	3	21	38	50
14	9	35	34	29	9	48	27	5	16	7	53*
16	4	3	50	JULY.				7	10	36	57
17	22	32	5					Immerfions.			
19	17	0	21	1	4	16	45	10	23	35	11
21	11	28	34	2	22	45	9	12	18	4	22
23	5	56	46	4	17	13	32	14	12	33	33*
25	0	24	56	6	11	41	57*	16	7	2	48
26	18	53	8	8	6	10	28	18	1	32	2
28	13	21	21*	10	0	38	53	19	20	1	19
30	7	49	25	11	19	7	24	21	14	30	36*
JUNE.				13	13	35	55*	23	8	59	55
				Immerfions.				15	8	4	32*
1	2	17	34	17	2	33	14	26	21	58	36
2	20	45	43	18	21	1	57	28	16	27	57*
				20	15	30	40*	30	10	57	21*

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## ECLIPSES of the first Satellite of JUPITER.

D.	H.	M.	S.	D.	H.	M.	S.	D.	H.	M.	S.
SEPTEMBER.				8	9	42	58*	21	15	38	55
Emerfions.				10	4	12	5	23	10	7	3
1	5	26	46	11	22	41	10	25	4	35	7
2	23	56	10	13	17	10	15	26	23	3	11
4	18	25	34	15	11	39	15*	28	17	31	13
6	12	55	0*	17	6	8	12	30	11	59	16
8	7	24	27	19	0	37	8	DECEMBER.			
10	1	53	53	20	19	6	0	Emerfions.			
11	20	23	18	22	13	34	52	2	6	27	16*
13	14	52	44	24	8	3	40*	4	0	55	12
15	9	22	9*	26	2	32	28	5	19	23	8
17	3	51	33	27	21	1	8	7	13	51	3
18	22	20	55	29	15	29	47*	9	8	18	57*
20	16	50	19	31	9	58	26*	11	2	46	51
22	11	19	40*	NOVEMBER.				12	21	14	46
24	5	49	1	Emerfions.				14	15	42	41
26	0	18	20	2	4	27	5	16	10	10	36
27	18	47	39	3	22	55	38	18	4	38	32*
29	13	16	55*	5	17	24	8	19	23	6	27
OCTOBER.				7	11	52	36	21	17	34	25
Emerfions.				9	6	21	3	23	12	2	23
1	7	46	10*	11	0	49	26	25	6	30	22*
3	2	15	24	12	19	17	48	27	0	58	23
4	29	44	43	14	13	46	6	28	19	26	24
6	15	13	48	16	8	14	21*	30	13	54	29
				18	2	42	35				
				19	21	10	46				

## ECLIPSES of the second Satellite of JUPITER.

D.	H.	M.	S.	D.	H.	M.	S.	D.	H.	M.	S.
JANUARY.				18	10	25	57	JUNE.			
Immersions.				21	23	44	46	Immersions.			
Jupiter and the Sun in Conjunction.				25	13	3	30	1	1	43	9
				29	2	22	12	4	15	0	15*
				APRIL.				8	4	17	18
				Immersions.				11	17	34	18
25	2	49	26	1	15	40	52*	15	6	52	25
28	16	7	8	5	4	59	28	18	20	3	35
FEBRUARY.				8	18	17	59	22	9	25	45*
Immersions.				12	7	36	25	25	22	43	1
1	5	24	59	15	20	54	45	29	12	0	25*
4	18	42	55*	19	10	12	54	JULY.			
8	8	1	2	22	23	30	58	Immersions.			
11	21	19	16	26	12	48	59	3	1	17	56
15	10	37	39	30	2	6	49	6	14	35	33*
18	23	56	5	MAY.				10	3	53	20
22	13	44	35	Immersions.				13	17	11	10
26	2	33	14	3	15	24	37*	17	6	29	19
29	15	51	55	7	4	42	14	20	19	47	35
MARCH.				10	17	59	47	Emersions.			
Immersions.				14	7	17	12	24	11	59	54*
4	5	10	40	17	20	34	32	28	1	18	29
7	18	39	29	21	9	51	47	31	14	37	9*
11	7	48	18	24	23	8	58	AUGUST.			
14	21	7	9	28	12	26	4*				

## ECLIPSES of the second Satellite of JUPITER.

D.	H.	M.	S.	D.	H.	M.	S.	D.	H.	M.	S.
AUGUST.				19	9	8	51*	8	3	32	1
Emerfions.				22	22	28	25	11	16	49	37
4	3	56	0	26	11	47	54*	15	6	7	1*
7	17	14	59	30	1	7	18	18	19	24	7
11	6	34	5	OCTOBER.				22	8	41	22*
14	19	53	13	Emerfions.				25	21	58	22
18	9	12	32*	3	14	26	42	29	11	15	16
21	22	31	54	7	3	45	54	DECEMBER.			
25	11	51	23*	10	17	5	1	Emerfions.			
29	1	10	54	14	6	24	0*	3	0	32	6
SEPTEMBER.				17	19	42	48	6	13	48	47
Emerfions.				21	9	1	24*	10	3	5	27
1	14	30	31	24	22	19	55	13	16	22	6
5	3	50	11	28	11	30	10	17	5	38	47*
8	17	9	55	NOVEMBER.				20	18	55	30
12	6	29	36	Emerfions.				24	8	12	15
15	19	49	15	1	0	56	19	27	21	29	6
				4	14	14	17	31	10	45	53

## ECLIPSES of the third Satellite of JUPITER.

D.	H.	M.	S.	D.	H.	M.	S.	M.	H.	D.	S.
JANUARY.				19	17	45	8	16	1	49	53
Immerfions.				26	21	46	43	23	5	48	41
Jupiter and the Sun in Conjunction.				APRIL.				JUNE.			
Immerfions.				Immerfions.				Immerfions.			
29	10	3	18	2	22	13	45	6	10	9	44.
FEBRUARY.				10	2	14	52	13	14	8	1*
Immerfions.				17	6	15	35	20	13	6	34
5	14	3	8	24	10	15	48	27	22	5	14.
12	18	3	34*	Emerfions.				Emerfions.			
19	22	4	26	3	1	48	23	6	13	45	36*
27	2	5	49	10	5	49	44	13	17	43	57
Emerfions.				17	9	50	39	JULY.			
27	5	39	38	24	13	51	2*	Immerfions.			
MARCH.				MAY.				Immerfions.			
Immerfions.				Immerfions.				Immerfions.			
5	6	7	15	1	14	15	46*	5	2	4	35
12	10	8	56	8	18	15	16	12	6	4	27
19	14	10	48	15	22	14	19	19	10	5	4*
26	18	12	19	23	2	13	1	Emerfions.			
Emerfions.				30	6	11	26	Jupiter and the Sun in Oppofition.			
5	9	40	57	Emerfions.				Immerfions.			
12	13	42	52	1	17	51	8	26	17	42	1
				8	21	50	44	AUGUST.			

## ECLIPSES of the third Satellite of JUPITER.

D. H. M. S.	D. H. M. S.	D. H. M. S.
AUGUST.	22 2 6 7	
Immersions.	29 6 9 24*	Emersions.
Jupiter and the Sun in Conjunction.	OCTOBER.	4 2 18 4
Emersions.	Immersions.	11 6 17 48*
2 21 43 42	6 6 37 47*	18 10 16 51
10 1 45 56	13 10 40 28*	25 14 15 17
17 5 48 40	20 14 42 27	DECEMBER.
24 9 51 44*	27 18 43 46	Immersions.
31 13 55 7*	Emersions.	2 14 41 0
SEPTEMBER.	6 10 12 15*	9 18 39 0
Immersions.	13 14 14 42	16 22 36 58
7 14 23 34	20 18 16 27	Emersions.
14 18 27 26	27 22 17 32	2 18 13 16
21 22 31 9	NOVEMBER.	9 22 10 54
29 2 34 34	Immersions.	17 2 8 28
Emersions.	3 22 44 32	24 6 6 11*
7 17 58 48	11 2 44 32	31 10 4 10
14 22 2 32	18 6 43 53*	
	25 10 42 39	

## ECLIPSES of the fourth Satellite of JUPITER.

D. H. M. S.				D. H. M. S.			
				JANUARY.			
Immersion.				Emerfions.			
28	9	32	6	28	14	17	8
				FEBRUARY.			
14	3	44	49	14	8	22	11
				MARCH.			
1	21	57	2	2	2	34	58
18	16	9	29*	18	20	49	29
				APRIL.			
4	10	21	9	4	15	2	53*
21	4	31	22	21	9	14	32
				MAY.			
7	22	40	8	8	3	24	44
24	16	47	16	24	21	32	30
				JUNE.			
10	10	52	23*	10	15	33	1*
27	4	58	33	27	9	44	29*
				JULY.			
13	23	7	44	4	⊙	8	
	4	⊙	8	30	22	6	51
				AUGUST.			
16	11	36	52*	16	16	21	38
				SEPTEMBER.			
2	5	54	56	2	10	39	2*
19	0	15	10	19	4	57	44
				OCTOBER.			
5	18	35	0	5	23	16	0
22	12	51	24	22	17	30	28
				NOVEMBER.			
8	7	4	46*	8	11	41	38
25	1	15	2	25	5	49	18*
				DECEMBER.			
11	19	22	37	11	23	54	5
28	13	30	42	28	17	58	58