

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	22 7 14 54
	19 10 33 3	24 1 43 56
	21 5 1 56	25 20 12 53
	22 23 30 50	27 14 41 50
Jupiter and the Sun in Conjunction.	24 17 59 46*	29 9 10 50
	26 12 28 44	31 3 39 45
	28 6 57 41	
27 10 20 4		APRIL.
29 4 48 33	MARCH.	Immersions.
30 23 17 3	Immersions.	1 22 8 41
FEBRUARY.	1 1 26 40	3 16 37 36
Immersions.	2 19 55 40	5 11 6 30*
	4 14 24 39	7 5 35 22
1 17 45 38	6 8 53 40	9 0 4 14
3 12 14 15	8 3 22 42	10 18 33 01
5 6 42 51	9 21 51 43	12 13 1 53
7 1 11 32	11 16 20 44*	14 7 30 39
8 19 40 14	13 10 49 49	16 1 59 24
10 14 8 58	15 5 18 51	17 20 28 7
12 8 37 44	16 23 47 52	19 14 56 47*
14 3 6 30	18 18 16 52	21 9 25 26

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

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

AUGUST.

ECLIPSES of the second Satellite of JUPITER.

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

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
	APRIL.	30 9 47 12
Jupiter and the Sun in Conjunction.	Immerfions.	JUNE.
	2 22 13 45	Immerfions.
29 10 3 18	10 2 14 52	6 10 9 44
FEBRUARY.	17 6 15 35	13 14 8 1*
Immerfions.	24 10 15 48	20 13 6 34
	Emerfions.	27 22 5 14
5 14 3 8	3 1 48 23	Emerfions.
12 18 3 34*	10 5 49 44	6 13 45 36*
19 22 4 26	17 9 50 39	13 17 43 57
27 2 5 49	24 13 51 2*	
Emerfions.	MAY.	JULY.
27 5 39 38	Immerfions.	Immerfions.
MARCH.	1 14 15 46*	5 2 4 35
Immerfions.	8 18 15 16	12 6 4 27
5 6 7 15	15 22 14 19	19 10 5 4*
12 10 8 56	23 2 13 1	Emerfions.
19 14 10 48	30 6 11 26	Jupiter and the Sun in Oppofition.
26 18 12 19	Emerfions.	
Emerfions.	1 17 51 8	26 17 42 1
5 9 40 57	8 21 50 44	
12 13 42 52		

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*	Emerfions.
Jupiter and the Sun in Conjunction.	OCTOBER.	4 2 18 4
Emerfions.	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*	Emerfions.	2 14 41 9
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	Emerfions.
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
Emerfions.	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.			
Immerfions.				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	
24	⊙	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