

XIV. *The Apparent Times of the Immersions and Emerfions of Jupiter's Satellites, for the Year 1739. computed to the Meridian of the Royal Observatory at Greenwich, by James Hodgson, F. R. S. and Master of the Royal Mathematical School in Christ's Hospital, London.*

ECLIPSES of the first Satellite of JUPITER.

D. H. M.				D. H. M.				D. H. M.			
JANUARY.				FEBRUARY.				MARCH.			
Emerfions.				Emerfions.				Emerfions.			
2	7	44	E	1	9	50	E	2	5	36	M
4	2	12	E	3	4	19	E	3	12	5	E
6	8	41	M	5	10	48	M	5	6	35	E
8	3	9	M	7	5	17	M	7	1	4	E
9	9	37	E	8	11	46	E	9	7	33	M
11	4	6	E	10	6	15	E	11	2	3	M
13	10	34	M	12	0	44	E	12	8	32	E
15	5	3	M	14	7	13	M	14	3	2	E
16	11	31	E	16	1	42	E	16	9	31	M
18	6	00	E	17	8	11	E	18	4	0	M
20	0	28	E	19	2	40	E	19	10	30	E
22	6	57	M	21	9	10	M	21	4	59	E
24	1	26	M	23	3	39	E	23	11	28	M
25	7	54	E	24	10	8	E	25	5	57	E
27	2	23	E	26	4	37	E	27	0	27	M
29	8	52	M	28	11	7	M	28	6	56	E
31	3	23	M					30	1	25	E

APRIL.

ECLIPSES of the first Satellite of JUPITER.

D. H. M.	D. H. M.	D. H. M.
APRIL.	9 6 24 M	23 0 13 E
	11 0 53 M	25 6 42 M
Emerfions.	12 7 21 E	27 1 10 M
	14 1 49 E	28 7 39 E
1 7 55 M	16 8 17 M	30 2 8 E
	18 2 45 M	
	19 9 14 E	AUGUST.
Jupiter and the	21 3 43 E	Immerfions.
Sun will be in	23 10 10 M	
Conjunction on	25 4 38 M	1 8 36 M
the 23d Day in	26 11 6 E	3 3 5 M
the Morning.	28 5 35 E	4 9 33 E
	30 0 3 E	6 4 3 E
		8 10 32 M
MAY.	JULY.	10 5 1 M
Immerfions.	Immerfions.	11 11 30 E
26 2 38 M	2 6 31 M	13 5 58 E
27 9 7 E	4 1 0 M	15 0 27 E
29 3 35 E	5 7 28 E	17 6 56 M
31 10 3 M	7 1 56 E	19 1 25 M
	9 8 25 M	20 7 54 E
	11 2 53 M	22 2 23 E
JUNE.	12 9 22 E	24 8 52 M
Immerfions.	14 3 50 E	26 3 22 M
	16 10 19 M	27 9 51 E
	18 4 47 M	29 4 20 E
2 4 31 M	19 11 16 E	31 10 49 M
3 11 0 E	21 5 44 E	
5 5 28 E		
7 11 56 M		

SEPTEMBER.

ECLIPSES of the first Satellite of JUPITER.

D.	H.	M.		D.	H.	M.		D.	H.	M.					
SEPTEMBER.				11	3	56	M	19	4	31	M				
Immerfions.				12	10	25	E	20	10	59	E				
				14	4	54	E	22	5	27	E				
2	5	18	M	16	11	23	M	24	11	55	M				
3	11	47	E	18	5	51	M	26	6	23	M				
5	6	16	E	20	0	20	M	28	0	51	M				
7	0	45	E	21	6	49	E	29	7	19	E				
9	7	14	M	23	1	17	E	DECEMBER.							
11	1	43	M	25	7	46	M	Emerfions.							
12	8	13	E	27	2	14	M	1	1	47	E				
14	2	42	E	28	8	43	E	2	8	15	M				
16	9	11	M	30	3	11	E	5	2	42	M				
18	3	40	M	NOVEMBER.				6	9	10	E				
19	10	9	E	Immerfions.				8	3	38	E				
21	4	38	E	1	9	40	M	10	10	6	M				
23	11	7	M	3	4	8	E	12	4	34	M				
25	5	36	M	4	10	36	E	13	11	2	E				
27	0	5	M	6	5	5	E	15	5	30	E				
28	6	34	E	8	11	33	M	17	11	58	M				
30	1	3	E	10	6	1	M	19	6	26	M				
OCTOBER.				12	0	29	M	21	0	54	M				
Immerfions.				Emerfions.				22	7	22	E				
2	7	32	M	13	9	7	E	24	1	50	E				
4	2	1	M	15	3	35	E	26	8	18	M				
5	8	30	E	17	10	3	M	28	2	46	M				
7	2	59	E									29	9	14	E
9	9	27	M									31	3	42	E

ECLIPSES of the second Satellite of JUPITER.

D.	H.	M.		D.	H.	M.		D.	H.	M.	
JANUARY.				15	5	33	M	22	3	33	M
Emerfions.				18	6	52	E	26	4	50	M
				22	8	12	M	29	6	8	E
3	3	17	M	25	9	31	E	JULY.			
6	4	35	E	29	10	51	M	Immerfions.			
10	5	52	M	APRIL.				Immerfions.			
13	7	10	E	Jupiter and the				3	7	25	M
17	8	28	M	Sun in Conjunction				6	8	44	E
20	9	46	E	on the 23d				10	10	0	M
24	11	4	M	Day in the				13	11	18	E
28	0	23	M	Morning.				17	0	36	E
31	1	41	E	MAY.				21	1	54	M
FEBRUARY.				Immerfions.				24	3	12	E
Emerfions.				25	5	14	M	28	4	30	M
4	3	0	M	28	6	32	E	31	5	48	E
7	4	9	E	JUNE.				AUGUST.			
11	5	38	M	Immerfions.				Immerfions.			
14	6	57	E	1	7	49	M	4	7	7	M
18	8	16	M	4	9	7	E	7	8	25	E
21	9	35	E	8	10	24	M	11	9	44	M
25	10	55	M	11	11	41	E	14	11	3	E
MARCH.				15	0	59	E	18	0	22	E
Emerfions.				19	2	16	E	22	1	40	M
1	0	14	M	SEPTEMBER.				25	2	59	E
4	1	35	E					29	4	18	M
8	2	54	M								

ECLIPSES of the second Satellite of JUPITER.

D. H. M.	D. H. M.	D. H. M.
SEPTEMBER.	10 8 5 E	22 2 11 E
Immersions.	14 9 23 M	26 3 28 M
2 5 38 E	17 10 42 E	29 4 45 E
6 6 57 M	22 0 0 M	DECEMBER.
9 8 16 E	25 1 18 E	Emersions.
13 9 35 M	28 2 36 E	3 6 2 M
15 10 54 E	NOVEMBER.	6 7 18 E
19 0 13 E	Immersions.	10 8 35 M
23 1 32 M	1 3 54 M	13 9 52 E
26 2 50 E	4 5 11 E	17 11 8 M
29 16 9 E	8 6 28 E	21 0 25 M
OCTOBER.	11 7 45 E	24 1 42 E
Immersions.	Emersions.	28 2 59 M
3 5 28 E	15 11 37 M	31 4 16 E
7 6 47 M	19 0 55 M	

ECLIPSES of the third Satellite of JUPITER.

D. H. M.	D. H. M.	D. H. M.
JANUARY.	Emersions.	FEBRUARY.
Immersions.	1 11 23 E	Immersions.
1 9 11 E	9 3 23 M	6 5 16 E
9 1 11 M	16 7 23 M	13 9 19 E
16 5 11 M	23 11 23 M	21 1 22 M
23 9 12 E	30 3 24	28 5 26 M
30 1 13		Emersions.
	K	

ECLIPSES of the third Satellite of JUPITER.

D.	H.	M.		D.	H.	M.		D.	H.	M.	
Emerfions.				Emerfions.				21	1	47	E
6	7	27	E	JUNE.				28	5	47	E
13	11	29	E	Immerfions.				Emerfions.			
21	3	32	M	1	9	52	M	7	8	0	M
28	7	36	M	8	1	51	E	14	0	0	E
MARCH.				15	5	50	E	21	4	1	E
Immerfions.				22	9	48	E	28	8	2	E
7	9	30	M	30	1	48	M	AUGUST.			
Emerfions.				Emerfions.				Immerfions.			
7	11	40	M	15	8	2	E	4	9	48	E
14	3	43	E	22	12	1	E	12	1	50	M
21	7	47	E	30	4	0	E	19	5	52	M
28	11	51	E	JULY.				26	9	54	M
MAY.				Immerfions.				Emerfions.			
Immerfions.				7	5	47	M	5	0	3	M
25	5	53	M	14	7	47	M	12	4	5	M
								19	8	8	M
								26	0	11	E
								SEPTEMBER.			

ECLIPSES of the *third* Satellite of JUPITER.

D. H. M.	D. H. M.	D. H. M.
SEPTEMBER.		
	22 6 7 E	
	29 10 7 E	
Immersions.		
2 1 56 E		
9 5 58 E		
16 10 1 E		
24 2 3 M		
Emersions.		
2 4 13 E		
9 8 16 E		
17 0 19 M		
24 4 22 M		
OCTOBER.		
Immersions.		
1 6 5 M		
8 10 6 M		
15 2 7 E		
	13 8 29 M	
	20 0 28 E	
	27 4 26 E	
NOVEMBER.		
Immersions.		
	6 2 6 M	
Emersions.		
DECEMBER.		
Immersions.		
	19 1 52 M	
	26 5 49 M	
Emersions.		
	4 8 24 E	
	12 0 22 M	
	19 4 29 M	
	26 8 18 M	

The fourth *Satellite* will continue to pass wide of the Shadow till the 24th of *June* 1740, when the Immersion will happen at 8 Hours, 42 Minutes, 42 Seconds; and the Emersion at 10 Hours, 15 Minutes, 0 Seconds, in the Evening.