

Huddersfield

Longitude W001 47

Latitude N53 39

Civil Date			Twilight	Sunrise	Transit	Shadow 1	Shadow 2	Sunset	Twilight
Year	mth	d	h m	h m	h m	h m	h m	h m	h m
2027	1	1	06 34	08 24	12 11	13 43	14 11	15 57	17 47
2027	1	2	06 34	08 24	12 11	13 44	14 12	15 58	17 48
2027	1	3	06 34	08 24	12 12	13 45	14 13	16 00	17 49
2027	1	4	06 34	08 23	12 12	13 46	14 14	16 01	17 50
2027	1	5	06 34	08 23	12 12	13 47	14 15	16 02	17 51
2027	1	6	06 34	08 23	12 13	13 48	14 17	16 03	17 53
2027	1	7	06 33	08 22	12 13	13 49	14 18	16 05	17 54
2027	1	8	06 33	08 22	12 14	13 50	14 19	16 06	17 55
2027	1	9	06 33	08 21	12 14	13 51	14 21	16 08	17 56
2027	1	10	06 32	08 20	12 15	13 52	14 22	16 09	17 57
2027	1	11	06 32	08 20	12 15	13 54	14 24	16 11	17 59
2027	1	12	06 31	08 19	12 15	13 55	14 25	16 12	18 00
2027	1	13	06 31	08 18	12 16	13 56	14 26	16 14	18 01
2027	1	14	06 30	08 17	12 16	13 58	14 28	16 16	18 02
2027	1	15	06 30	08 16	12 16	13 59	14 30	16 17	18 04
2027	1	16	06 29	08 15	12 17	14 00	14 31	16 19	18 05
2027	1	17	06 28	08 14	12 17	14 02	14 33	16 21	18 07
2027	1	18	06 27	08 13	12 17	14 03	14 34	16 22	18 08
2027	1	19	06 27	08 12	12 18	14 05	14 36	16 24	18 10
2027	1	20	06 26	08 11	12 18	14 06	14 38	16 26	18 11
2027	1	21	06 25	08 10	12 18	14 07	14 39	16 28	18 13
2027	1	22	06 24	08 08	12 19	14 09	14 41	16 30	18 14
2027	1	23	06 23	08 07	12 19	14 10	14 43	16 31	18 16
2027	1	24	06 22	08 06	12 19	14 12	14 45	16 33	18 17
2027	1	25	06 21	08 04	12 19	14 13	14 46	16 35	18 19
2027	1	26	06 20	08 03	12 20	14 15	14 48	16 37	18 20
2027	1	27	06 18	08 01	12 20	14 16	14 50	16 39	18 22
2027	1	28	06 17	08 00	12 20	14 18	14 52	16 41	18 23
2027	1	29	06 16	07 58	12 20	14 20	14 54	16 43	18 25
2027	1	30	06 15	07 57	12 20	14 21	14 55	16 45	18 27
2027	1	31	06 13	07 55	12 21	14 23	14 57	16 47	18 28
2027	2	1	06 12	07 53	12 21	14 24	14 59	16 49	18 30
2027	2	2	06 11	07 52	12 21	14 26	15 01	16 51	18 32
2027	2	3	06 09	07 50	12 21	14 27	15 03	16 53	18 33
2027	2	4	06 08	07 48	12 21	14 29	15 05	16 55	18 35
2027	2	5	06 06	07 46	12 21	14 30	15 06	16 57	18 37
2027	2	6	06 05	07 44	12 21	14 32	15 08	16 59	18 39
2027	2	7	06 03	07 43	12 21	14 33	15 10	17 01	18 40
2027	2	8	06 01	07 41	12 21	14 35	15 12	17 03	18 42
2027	2	9	06 00	07 39	12 21	14 37	15 14	17 05	18 44
2027	2	10	05 58	07 37	12 21	14 38	15 16	17 07	18 46
2027	2	11	05 56	07 35	12 21	14 40	15 18	17 09	18 47
2027	2	12	05 54	07 33	12 21	14 41	15 19	17 11	18 49
2027	2	13	05 53	07 31	12 21	14 43	15 21	17 13	18 51
2027	2	14	05 51	07 29	12 21	14 44	15 23	17 15	18 53
2027	2	15	05 49	07 27	12 21	14 46	15 25	17 17	18 55
2027	2	16	05 47	07 25	12 21	14 47	15 27	17 19	18 56
2027	2	17	05 45	07 22	12 21	14 49	15 29	17 21	18 58
2027	2	18	05 43	07 20	12 21	14 50	15 30	17 23	19 00
2027	2	19	05 41	07 18	12 21	14 52	15 32	17 25	19 02
2027	2	20	05 39	07 16	12 21	14 53	15 34	17 27	19 04
2027	2	21	05 37	07 14	12 21	14 55	15 36	17 29	19 05
2027	2	22	05 35	07 12	12 21	14 56	15 37	17 30	19 07
2027	2	23	05 33	07 09	12 20	14 58	15 39	17 32	19 09

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 Shadow 1 = Times when the length of the shadow cast by a vertical stick is equal to its length plus length of its shadow at transit  
 Shadow 2 = Times when the length of the shadow cast by a vertical stick is equal to twice its length plus length of its shadow at transit  
 Transit = Time of Meridian passage of Sun

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Computed on 19-Nov-2024

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Longitude W001 47

Latitude N53 39

Civil Date			Twilight	Sunrise	Transit	Shadow 1	Shadow 2	Sunset	Twilight
Year	mth	d	h m	h m	h m	h m	h m	h m	h m
2027	2	24	05 31	07 07	12 20	14 59	15 41	17 34	19 11
2027	2	25	05 29	07 05	12 20	15 00	15 43	17 36	19 13
2027	2	26	05 27	07 03	12 20	15 02	15 44	17 38	19 15
2027	2	27	05 24	07 00	12 20	15 03	15 46	17 40	19 17
2027	2	28	05 22	06 58	12 20	15 05	15 48	17 42	19 18
2027	3	1	05 20	06 56	12 19	15 06	15 50	17 44	19 20
2027	3	2	05 18	06 54	12 19	15 07	15 51	17 46	19 22
2027	3	3	05 15	06 51	12 19	15 09	15 53	17 48	19 24
2027	3	4	05 13	06 49	12 19	15 10	15 55	17 50	19 26
2027	3	5	05 11	06 46	12 19	15 12	15 56	17 52	19 28
2027	3	6	05 08	06 44	12 18	15 13	15 58	17 54	19 30
2027	3	7	05 06	06 42	12 18	15 14	16 00	17 56	19 32
2027	3	8	05 03	06 39	12 18	15 15	16 01	17 58	19 34
2027	3	9	05 01	06 37	12 18	15 17	16 03	17 59	19 36
2027	3	10	04 58	06 35	12 17	15 18	16 04	18 01	19 38
2027	3	11	04 56	06 32	12 17	15 19	16 06	18 03	19 40
2027	3	12	04 54	06 30	12 17	15 21	16 08	18 05	19 42
2027	3	13	04 51	06 27	12 17	15 22	16 09	18 07	19 44
2027	3	14	04 48	06 25	12 16	15 23	16 11	18 09	19 46
2027	3	15	04 46	06 23	12 16	15 24	16 12	18 11	19 48
2027	3	16	04 43	06 20	12 16	15 25	16 14	18 13	19 50
2027	3	17	04 41	06 18	12 16	15 27	16 15	18 14	19 52
2027	3	18	04 38	06 15	12 15	15 28	16 17	18 16	19 54
2027	3	19	04 35	06 13	12 15	15 29	16 18	18 18	19 56
2027	3	20	04 33	06 10	12 15	15 30	16 20	18 20	19 58
2027	3	21	04 30	06 08	12 14	15 31	16 21	18 22	20 00
2027	3	22	04 27	06 06	12 14	15 32	16 23	18 24	20 02
2027	3	23	04 25	06 03	12 14	15 33	16 24	18 26	20 04
2027	3	24	04 22	06 01	12 13	15 34	16 25	18 27	20 07
2027	3	25	04 19	05 58	12 13	15 36	16 27	18 29	20 09
2027	3	26	04 16	05 56	12 13	15 37	16 28	18 31	20 11
2027	3	27	04 14	05 53	12 13	15 38	16 30	18 33	20 13
2027	3	28	05 11	06 51	13 12	16 39	17 31	19 35	21 15
2027	3	29	05 08	06 48	13 12	16 40	17 33	19 37	21 18
2027	3	30	05 05	06 46	13 12	16 41	17 34	19 38	21 20
2027	3	31	05 02	06 44	13 11	16 42	17 35	19 40	21 22
2027	4	1	05 00	06 41	13 11	16 43	17 37	19 42	21 24
2027	4	2	04 57	06 39	13 11	16 44	17 38	19 44	21 27
2027	4	3	04 54	06 36	13 10	16 45	17 39	19 46	21 29
2027	4	4	04 51	06 34	13 10	16 46	17 41	19 48	21 31
2027	4	5	04 48	06 31	13 10	16 47	17 42	19 50	21 34
2027	4	6	04 45	06 29	13 10	16 48	17 43	19 51	21 36
2027	4	7	04 42	06 27	13 09	16 49	17 45	19 53	21 39
2027	4	8	04 39	06 24	13 09	16 50	17 46	19 55	21 41
2027	4	9	04 36	06 22	13 09	16 51	17 47	19 57	21 43
2027	4	10	04 33	06 20	13 09	16 52	17 49	19 59	21 46
2027	4	11	04 30	06 17	13 08	16 53	17 50	20 01	21 48
2027	4	12	04 27	06 15	13 08	16 53	17 51	20 02	21 51
2027	4	13	04 24	06 12	13 08	16 54	17 52	20 04	21 54
2027	4	14	04 21	06 10	13 07	16 55	17 54	20 06	21 56
2027	4	15	04 18	06 08	13 07	16 56	17 55	20 08	21 59
2027	4	16	04 15	06 05	13 07	16 57	17 56	20 10	22 01
2027	4	17	04 12	06 03	13 07	16 58	17 57	20 12	22 04
2027	4	18	04 08	06 01	13 07	16 59	17 59	20 13	22 07

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Year	mth	d	h m	h m	h m	h m	h m	h m	h m
2027	4	19	04 05	05 59	13 06	17 00	18 00	20 15	22 10
2027	4	20	04 02	05 56	13 06	17 00	18 01	20 17	22 12
2027	4	21	03 59	05 54	13 06	17 01	18 02	20 19	22 15
2027	4	22	03 56	05 52	13 06	17 02	18 03	20 21	22 18
2027	4	23	03 52	05 50	13 06	17 03	18 04	20 23	22 21
2027	4	24	03 49	05 47	13 05	17 04	18 06	20 24	22 24
2027	4	25	03 46	05 45	13 05	17 04	18 07	20 26	22 27
2027	4	26	03 43	05 43	13 05	17 05	18 08	20 28	22 30
2027	4	27	03 39	05 41	13 05	17 06	18 09	20 30	22 33
2027	4	28	03 36	05 39	13 05	17 07	18 10	20 32	22 36
2027	4	29	03 33	05 37	13 05	17 08	18 11	20 34	22 39
2027	4	30	03 29	05 35	13 04	17 08	18 13	20 35	22 42
2027	5	1	03 26	05 33	13 04	17 09	18 14	20 37	22 45
2027	5	2	03 22	05 31	13 04	17 10	18 15	20 39	22 49
2027	5	3	03 19	05 29	13 04	17 11	18 16	20 41	22 52
2027	5	4	03 15	05 27	13 04	17 11	18 17	20 43	22 55
2027	5	5	03 12	05 25	13 04	17 12	18 18	20 44	22 59
2027	5	6	03 08	05 23	13 04	17 13	18 19	20 46	23 02
2027	5	7	03 05	05 21	13 04	17 14	18 20	20 48	23 06
2027	5	8	03 01	05 19	13 04	17 14	18 21	20 50	23 09
2027	5	9	02 57	05 17	13 04	17 15	18 22	20 51	23 13
2027	5	10	02 54	05 15	13 04	17 16	18 23	20 53	23 17
2027	5	11	02 50	05 13	13 04	17 16	18 24	20 55	23 21
2027	5	12	02 46	05 12	13 04	17 17	18 25	20 57	23 25
2027	5	13	02 42	05 10	13 04	17 18	18 26	20 58	23 29
2027	5	14	02 38	05 08	13 04	17 18	18 27	21 00	23 33
2027	5	15	02 34	05 07	13 04	17 19	18 28	21 02	23 37
2027	5	16	02 30	05 05	13 04	17 20	18 29	21 03	23 41
2027	5	17	02 25	05 03	13 04	17 20	18 30	21 05	23 46
2027	5	18	02 21	05 02	13 04	17 21	18 31	21 06	23 50
2027	5	19	02 16	05 00	13 04	17 22	18 32	21 08	23 55
2027	5	20	02 12	04 59	13 04	17 22	18 33	21 10	24 00
2027	5	21	02 07	04 57	13 04	17 23	18 34	21 11	24 06
2027	5	22	02 02	04 56	13 04	17 23	18 35	21 13	24 11
2027	5	23	01 56	04 54	13 04	17 24	18 36	21 14	24 18
2027	5	24	01 50	04 53	13 04	17 25	18 36	21 16	24 25
2027	5	25	01 43	04 52	13 04	17 25	18 37	21 17	24 33
2027	5	26	01 35	04 51	13 04	17 26	18 38	21 19	24 44
2027	5	27	01 24	04 49	13 04	17 26	18 39	21 20	** **
2027	5	28	** **	04 48	13 04	17 27	18 40	21 21	** **
2027	5	29	** **	04 47	13 05	17 27	18 40	21 23	** **
2027	5	30	** **	04 46	13 05	17 28	18 41	21 24	** **
2027	5	31	** **	04 45	13 05	17 29	18 42	21 25	** **
2027	6	1	** **	04 44	13 05	17 29	18 43	21 26	** **
2027	6	2	** **	04 43	13 05	17 30	18 43	21 28	** **
2027	6	3	** **	04 43	13 05	17 30	18 44	21 29	** **
2027	6	4	** **	04 42	13 05	17 31	18 45	21 30	** **
2027	6	5	** **	04 41	13 06	17 31	18 45	21 31	** **
2027	6	6	** **	04 40	13 06	17 31	18 46	21 32	** **
2027	6	7	** **	04 40	13 06	17 32	18 46	21 33	** **
2027	6	8	** **	04 39	13 06	17 32	18 47	21 34	** **
2027	6	9	** **	04 39	13 06	17 33	18 48	21 35	** **
2027	6	10	** **	04 38	13 07	17 33	18 48	21 35	** **
2027	6	11	** **	04 38	13 07	17 33	18 49	21 36	** **

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Latitude N53 39

Civil Date			Twilight	Sunrise	Transit	Shadow 1	Shadow 2	Sunset	Twilight
Year	mth	d	h m	h m	h m	h m	h m	h m	h m
2027	6	12	** **	04 37	13 07	17 34	18 49	21 37	** **
2027	6	13	** **	04 37	13 07	17 34	18 49	21 38	** **
2027	6	14	** **	04 37	13 07	17 35	18 50	21 38	** **
2027	6	15	** **	04 37	13 08	17 35	18 50	21 39	** **
2027	6	16	** **	04 37	13 08	17 35	18 51	21 39	** **
2027	6	17	** **	04 36	13 08	17 35	18 51	21 40	** **
2027	6	18	** **	04 36	13 08	17 36	18 51	21 40	** **
2027	6	19	** **	04 37	13 08	17 36	18 52	21 41	** **
2027	6	20	** **	04 37	13 09	17 36	18 52	21 41	** **
2027	6	21	** **	04 37	13 09	17 36	18 52	21 41	** **
2027	6	22	** **	04 37	13 09	17 37	18 52	21 41	** **
2027	6	23	** **	04 37	13 09	17 37	18 52	21 41	** **
2027	6	24	** **	04 38	13 10	17 37	18 53	21 41	** **
2027	6	25	** **	04 38	13 10	17 37	18 53	21 41	** **
2027	6	26	** **	04 38	13 10	17 37	18 53	21 41	** **
2027	6	27	** **	04 39	13 10	17 37	18 53	21 41	** **
2027	6	28	** **	04 39	13 10	17 37	18 53	21 41	** **
2027	6	29	** **	04 40	13 11	17 38	18 53	21 41	** **
2027	6	30	** **	04 41	13 11	17 38	18 53	21 41	** **
2027	7	1	** **	04 41	13 11	17 38	18 53	21 40	** **
2027	7	2	** **	04 42	13 11	17 38	18 53	21 40	** **
2027	7	3	** **	04 43	13 11	17 38	18 52	21 39	** **
2027	7	4	** **	04 44	13 12	17 38	18 52	21 39	** **
2027	7	5	** **	04 45	13 12	17 37	18 52	21 38	** **
2027	7	6	** **	04 46	13 12	17 37	18 52	21 38	** **
2027	7	7	** **	04 47	13 12	17 37	18 52	21 37	** **
2027	7	8	** **	04 48	13 12	17 37	18 51	21 36	** **
2027	7	9	** **	04 49	13 12	17 37	18 51	21 35	** **
2027	7	10	** **	04 50	13 13	17 37	18 50	21 34	** **
2027	7	11	** **	04 51	13 13	17 37	18 50	21 34	** **
2027	7	12	** **	04 52	13 13	17 36	18 50	21 33	** **
2027	7	13	** **	04 53	13 13	17 36	18 49	21 32	** **
2027	7	14	** **	04 55	13 13	17 36	18 49	21 31	** **
2027	7	15	** **	04 56	13 13	17 35	18 48	21 29	** **
2027	7	16	** **	04 57	13 13	17 35	18 48	21 28	24 57
2027	7	17	01 30	04 59	13 13	17 35	18 47	21 27	24 45
2027	7	18	01 42	05 00	13 13	17 34	18 46	21 26	24 36
2027	7	19	01 51	05 01	13 13	17 34	18 46	21 25	24 29
2027	7	20	01 58	05 03	13 14	17 33	18 45	21 23	24 23
2027	7	21	02 04	05 04	13 14	17 33	18 44	21 22	24 17
2027	7	22	02 10	05 06	13 14	17 33	18 43	21 21	24 12
2027	7	23	02 16	05 07	13 14	17 32	18 43	21 19	24 07
2027	7	24	02 21	05 09	13 14	17 31	18 42	21 18	24 02
2027	7	25	02 26	05 10	13 14	17 31	18 41	21 16	23 58
2027	7	26	02 30	05 12	13 14	17 30	18 40	21 14	23 53
2027	7	27	02 35	05 13	13 14	17 30	18 39	21 13	23 49
2027	7	28	02 39	05 15	13 14	17 29	18 38	21 11	23 45
2027	7	29	02 43	05 17	13 14	17 28	18 37	21 10	23 41
2027	7	30	02 47	05 18	13 14	17 28	18 36	21 08	23 37
2027	7	31	02 51	05 20	13 14	17 27	18 35	21 06	23 33
2027	8	1	02 55	05 22	13 14	17 26	18 34	21 04	23 29
2027	8	2	02 59	05 23	13 13	17 25	18 33	21 03	23 25
2027	8	3	03 02	05 25	13 13	17 25	18 32	21 01	23 21
2027	8	4	03 06	05 27	13 13	17 24	18 31	20 59	23 17

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Computed on 19-Nov-2024

19.11.2024 @ 9:48

HM Nautical Almanac Office

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Longitude W001 47

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Civil Date	Twilight	Sunrise	Transit	Shadow 1	Shadow 2	Sunset	Twilight
Year mth d	h m	h m	h m	h m	h m	h m	h m
2027 8 5	03 10	05 28	13 13	17 23	18 29	20 57	23 14
2027 8 6	03 13	05 30	13 13	17 22	18 28	20 55	23 10
2027 8 7	03 17	05 32	13 13	17 21	18 27	20 53	23 07
2027 8 8	03 20	05 33	13 13	17 20	18 26	20 51	23 03
2027 8 9	03 23	05 35	13 13	17 19	18 24	20 49	22 59
2027 8 10	03 26	05 37	13 13	17 18	18 23	20 47	22 56
2027 8 11	03 30	05 39	13 12	17 17	18 22	20 45	22 52
2027 8 12	03 33	05 40	13 12	17 16	18 20	20 43	22 49
2027 8 13	03 36	05 42	13 12	17 15	18 19	20 41	22 46
2027 8 14	03 39	05 44	13 12	17 14	18 17	20 39	22 42
2027 8 15	03 42	05 46	13 12	17 13	18 16	20 37	22 39
2027 8 16	03 45	05 47	13 11	17 12	18 14	20 34	22 36
2027 8 17	03 48	05 49	13 11	17 10	18 13	20 32	22 32
2027 8 18	03 51	05 51	13 11	17 09	18 11	20 30	22 29
2027 8 19	03 54	05 53	13 11	17 08	18 10	20 28	22 26
2027 8 20	03 56	05 54	13 11	17 07	18 08	20 26	22 22
2027 8 21	03 59	05 56	13 10	17 06	18 07	20 23	22 19
2027 8 22	04 02	05 58	13 10	17 04	18 05	20 21	22 16
2027 8 23	04 05	06 00	13 10	17 03	18 03	20 19	22 13
2027 8 24	04 07	06 01	13 10	17 02	18 02	20 17	22 10
2027 8 25	04 10	06 03	13 09	17 00	18 00	20 14	22 06
2027 8 26	04 13	06 05	13 09	16 59	17 58	20 12	22 03
2027 8 27	04 15	06 07	13 09	16 58	17 57	20 10	22 00
2027 8 28	04 18	06 08	13 08	16 56	17 55	20 07	21 57
2027 8 29	04 20	06 10	13 08	16 55	17 53	20 05	21 54
2027 8 30	04 23	06 12	13 08	16 53	17 51	20 03	21 51
2027 8 31	04 25	06 14	13 08	16 52	17 49	20 00	21 48
2027 9 1	04 28	06 15	13 07	16 50	17 48	19 58	21 45
2027 9 2	04 30	06 17	13 07	16 49	17 46	19 55	21 42
2027 9 3	04 33	06 19	13 07	16 48	17 44	19 53	21 39
2027 9 4	04 35	06 21	13 06	16 46	17 42	19 51	21 36
2027 9 5	04 37	06 22	13 06	16 44	17 40	19 48	21 33
2027 9 6	04 40	06 24	13 06	16 43	17 38	19 46	21 30
2027 9 7	04 42	06 26	13 05	16 41	17 36	19 43	21 27
2027 9 8	04 44	06 28	13 05	16 40	17 34	19 41	21 24
2027 9 9	04 46	06 29	13 05	16 38	17 32	19 38	21 21
2027 9 10	04 49	06 31	13 04	16 36	17 30	19 36	21 18
2027 9 11	04 51	06 33	13 04	16 35	17 28	19 34	21 15
2027 9 12	04 53	06 35	13 04	16 33	17 27	19 31	21 12
2027 9 13	04 55	06 36	13 03	16 32	17 25	19 29	21 09
2027 9 14	04 57	06 38	13 03	16 30	17 22	19 26	21 07
2027 9 15	04 59	06 40	13 02	16 28	17 20	19 24	21 04
2027 9 16	05 02	06 42	13 02	16 26	17 18	19 21	21 01
2027 9 17	05 04	06 43	13 02	16 25	17 16	19 19	20 58
2027 9 18	05 06	06 45	13 01	16 23	17 14	19 16	20 55
2027 9 19	05 08	06 47	13 01	16 21	17 12	19 14	20 53
2027 9 20	05 10	06 49	13 01	16 20	17 10	19 11	20 50
2027 9 21	05 12	06 51	13 00	16 18	17 08	19 09	20 47
2027 9 22	05 14	06 52	13 00	16 16	17 06	19 07	20 44
2027 9 23	05 16	06 54	13 00	16 14	17 04	19 04	20 42
2027 9 24	05 18	06 56	12 59	16 13	17 02	19 02	20 39
2027 9 25	05 20	06 58	12 59	16 11	17 00	18 59	20 36
2027 9 26	05 22	06 59	12 59	16 09	16 58	18 57	20 34
2027 9 27	05 24	07 01	12 58	16 07	16 55	18 54	20 31

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Computed on 19-Nov-2024

Huddersfield

Longitude W001 47

Latitude N53 39

Civil Date	Twilight	Sunrise	Transit	Shadow 1	Shadow 2	Sunset	Twilight
Year mth d	h m	h m	h m	h m	h m	h m	h m
2027 9 28	05 26	07 03	12 58	16 05	16 53	18 52	20 28
2027 9 29	05 28	07 05	12 58	16 04	16 51	18 49	20 26
2027 9 30	05 30	07 06	12 57	16 02	16 49	18 47	20 23
2027 10 1	05 32	07 08	12 57	16 00	16 47	18 44	20 21
2027 10 2	05 34	07 10	12 57	15 58	16 45	18 42	20 18
2027 10 3	05 35	07 12	12 56	15 56	16 43	18 40	20 16
2027 10 4	05 37	07 14	12 56	15 55	16 41	18 37	20 13
2027 10 5	05 39	07 15	12 56	15 53	16 38	18 35	20 11
2027 10 6	05 41	07 17	12 55	15 51	16 36	18 32	20 08
2027 10 7	05 43	07 19	12 55	15 49	16 34	18 30	20 06
2027 10 8	05 45	07 21	12 55	15 47	16 32	18 28	20 04
2027 10 9	05 47	07 23	12 54	15 45	16 30	18 25	20 01
2027 10 10	05 48	07 25	12 54	15 44	16 28	18 23	19 59
2027 10 11	05 50	07 26	12 54	15 42	16 26	18 20	19 56
2027 10 12	05 52	07 28	12 54	15 40	16 24	18 18	19 54
2027 10 13	05 54	07 30	12 53	15 38	16 22	18 16	19 52
2027 10 14	05 56	07 32	12 53	15 37	16 19	18 14	19 50
2027 10 15	05 57	07 34	12 53	15 35	16 17	18 11	19 47
2027 10 16	05 59	07 36	12 53	15 33	16 15	18 09	19 45
2027 10 17	06 01	07 38	12 53	15 31	16 13	18 07	19 43
2027 10 18	06 03	07 39	12 52	15 29	16 11	18 04	19 41
2027 10 19	06 05	07 41	12 52	15 28	16 09	18 02	19 39
2027 10 20	06 06	07 43	12 52	15 26	16 07	18 00	19 36
2027 10 21	06 08	07 45	12 52	15 24	16 05	17 58	19 34
2027 10 22	06 10	07 47	12 52	15 23	16 03	17 55	19 32
2027 10 23	06 12	07 49	12 51	15 21	16 01	17 53	19 30
2027 10 24	06 13	07 51	12 51	15 19	15 59	17 51	19 28
2027 10 25	06 15	07 53	12 51	15 18	15 57	17 49	19 26
2027 10 26	06 17	07 55	12 51	15 16	15 55	17 47	19 24
2027 10 27	06 19	07 56	12 51	15 14	15 53	17 45	19 23
2027 10 28	06 20	07 58	12 51	15 13	15 51	17 43	19 21
2027 10 29	06 22	08 00	12 51	15 11	15 49	17 41	19 19
2027 10 30	06 24	08 02	12 51	15 09	15 47	17 39	19 17
2027 10 31	05 25	07 04	11 51	14 08	14 46	16 37	18 15
2027 11 1	05 27	07 06	11 51	14 06	14 44	16 35	18 13
2027 11 2	05 29	07 08	11 51	14 05	14 42	16 33	18 12
2027 11 3	05 30	07 10	11 51	14 03	14 40	16 31	18 10
2027 11 4	05 32	07 12	11 51	14 02	14 38	16 29	18 08
2027 11 5	05 34	07 14	11 51	14 00	14 37	16 27	18 07
2027 11 6	05 35	07 16	11 51	13 59	14 35	16 25	18 05
2027 11 7	05 37	07 18	11 51	13 58	14 33	16 23	18 04
2027 11 8	05 39	07 20	11 51	13 56	14 32	16 21	18 02
2027 11 9	05 40	07 22	11 51	13 55	14 30	16 20	18 01
2027 11 10	05 42	07 23	11 51	13 54	14 28	16 18	17 59
2027 11 11	05 44	07 25	11 51	13 52	14 27	16 16	17 58
2027 11 12	05 45	07 27	11 51	13 51	14 25	16 15	17 57
2027 11 13	05 47	07 29	11 51	13 50	14 24	16 13	17 55
2027 11 14	05 48	07 31	11 52	13 49	14 22	16 11	17 54
2027 11 15	05 50	07 33	11 52	13 47	14 21	16 10	17 53
2027 11 16	05 51	07 35	11 52	13 46	14 20	16 08	17 52
2027 11 17	05 53	07 37	11 52	13 45	14 18	16 07	17 50
2027 11 18	05 55	07 38	11 52	13 44	14 17	16 06	17 49
2027 11 19	05 56	07 40	11 52	13 43	14 16	16 04	17 48
2027 11 20	05 58	07 42	11 53	13 42	14 14	16 03	17 47

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Computed on 19-Nov-2024

Huddersfield

Longitude W001 47

Latitude N53 39

Civil Date			Twilight	Sunrise	Transit	Shadow 1	Shadow 2	Sunset	Twilight
Year	mth	d	h m	h m	h m	h m	h m	h m	h m
2027	11	21	05 59	07 44	11 53	13 41	14 13	16 02	17 46
2027	11	22	06 00	07 46	11 53	13 40	14 12	16 00	17 45
2027	11	23	06 02	07 47	11 53	13 40	14 11	15 59	17 44
2027	11	24	06 03	07 49	11 54	13 39	14 10	15 58	17 44
2027	11	25	06 05	07 51	11 54	13 38	14 09	15 57	17 43
2027	11	26	06 06	07 52	11 54	13 37	14 08	15 56	17 42
2027	11	27	06 07	07 54	11 55	13 37	14 07	15 55	17 41
2027	11	28	06 09	07 56	11 55	13 36	14 06	15 54	17 41
2027	11	29	06 10	07 57	11 55	13 35	14 06	15 53	17 40
2027	11	30	06 11	07 59	11 56	13 35	14 05	15 52	17 40
2027	12	1	06 13	08 00	11 56	13 34	14 04	15 51	17 39
2027	12	2	06 14	08 02	11 56	13 34	14 03	15 51	17 39
2027	12	3	06 15	08 03	11 57	13 33	14 03	15 50	17 38
2027	12	4	06 16	08 05	11 57	13 33	14 02	15 49	17 38
2027	12	5	06 17	08 06	11 58	13 33	14 02	15 49	17 38
2027	12	6	06 18	08 08	11 58	13 33	14 02	15 48	17 37
2027	12	7	06 20	08 09	11 58	13 32	14 01	15 48	17 37
2027	12	8	06 21	08 10	11 59	13 32	14 01	15 48	17 37
2027	12	9	06 22	08 11	11 59	13 32	14 01	15 47	17 37
2027	12	10	06 23	08 12	12 00	13 32	14 00	15 47	17 37
2027	12	11	06 24	08 14	12 00	13 32	14 00	15 47	17 37
2027	12	12	06 24	08 15	12 01	13 32	14 00	15 47	17 37
2027	12	13	06 25	08 16	12 01	13 32	14 00	15 47	17 37
2027	12	14	06 26	08 17	12 02	13 32	14 00	15 47	17 37
2027	12	15	06 27	08 18	12 02	13 32	14 00	15 47	17 37
2027	12	16	06 28	08 18	12 03	13 33	14 00	15 47	17 37
2027	12	17	06 28	08 19	12 03	13 33	14 01	15 47	17 38
2027	12	18	06 29	08 20	12 04	13 33	14 01	15 47	17 38
2027	12	19	06 30	08 21	12 04	13 34	14 01	15 47	17 38
2027	12	20	06 30	08 21	12 05	13 34	14 02	15 48	17 39
2027	12	21	06 31	08 22	12 05	13 34	14 02	15 48	17 39
2027	12	22	06 31	08 22	12 06	13 35	14 03	15 49	17 40
2027	12	23	06 32	08 23	12 06	13 36	14 03	15 49	17 40
2027	12	24	06 32	08 23	12 07	13 36	14 04	15 50	17 41
2027	12	25	06 33	08 24	12 07	13 37	14 04	15 51	17 41
2027	12	26	06 33	08 24	12 08	13 37	14 05	15 51	17 42
2027	12	27	06 33	08 24	12 08	13 38	14 06	15 52	17 43
2027	12	28	06 34	08 24	12 09	13 39	14 07	15 53	17 44
2027	12	29	06 34	08 24	12 09	13 40	14 08	15 54	17 44
2027	12	30	06 34	08 24	12 10	13 41	14 09	15 55	17 45
2027	12	31	06 34	08 24	12 10	13 41	14 09	15 56	17 46

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