

PLEASE IGNORE ALT COLUMN (VALID for ADELAIDE ONLY)

Ganymede Start Occultation 2025/3/1 3:12, Alt = -8
Ganymede End Occultation 2025/3/1 5:34, Alt = 16
Europa Start Transit 2025/3/1 7:46, Alt = 31
Ganymede Start Eclipse 2025/3/1 8:31, Alt = 33
IO Start Occultation 2025/3/1 10:03, Alt = 30
Europa End Transit 2025/3/1 10:20, Alt = 29
Europa Start Shadow Transit 2025/3/1 10:21, Alt = 29
Ganymede End Eclipse 2025/3/1 10:58, Alt = 25
Europa End Shadow Transit 2025/3/1 12:58, Alt = 8
IO End Eclipse 2025/3/1 13:34, Alt = 2

IO Start Transit 2025/3/2 7:15, Alt = 29
IO Start Shadow Transit 2025/3/2 8:35, Alt = 33
IO End Transit 2025/3/2 9:28, Alt = 32
IO End Shadow Transit 2025/3/2 10:48, Alt = 26

Europa Start Occultation 2025/3/3 2:13, Alt = -18
IO Start Occultation 2025/3/3 4:32, Alt = 7
Europa End Occultation 2025/3/3 4:50, Alt = 10
Europa Start Eclipse 2025/3/3 4:54, Alt = 11
Europa End Eclipse 2025/3/3 7:33, Alt = 30
IO End Eclipse 2025/3/3 8:03, Alt = 32

IO Start Transit 2025/3/4 1:44, Alt = -23
IO Start Shadow Transit 2025/3/4 3:04, Alt = -7
IO End Transit 2025/3/4 3:57, Alt = 1
IO End Shadow Transit 2025/3/4 5:17, Alt = 15
Ganymede Start Transit 2025/3/4 17:24, Alt = -45
Ganymede End Transit 2025/3/4 19:45, Alt = -72
Europa Start Transit 2025/3/4 21:04, Alt = -75
Ganymede Start Shadow Transit 2025/3/4 22:42, Alt = -59
IO Start Occultation 2025/3/4 23:01, Alt = -56
Europa End Transit 2025/3/4 23:38, Alt = -48
Europa Start Shadow Transit 2025/3/4 23:38, Alt = -48

Ganymede End Shadow Transit 2025/3/5 1:09, Alt = -30
Europa End Shadow Transit 2025/3/5 2:15, Alt = -16
IO End Eclipse 2025/3/5 2:31, Alt = -13
IO Start Transit 2025/3/5 20:13, Alt = -76
IO Start Shadow Transit 2025/3/5 21:32, Alt = -71
IO End Transit 2025/3/5 22:26, Alt = -62
IO End Shadow Transit 2025/3/5 23:46, Alt = -46

Europa Start Occultation 2025/3/6 15:33, Alt = -24
IO Start Occultation 2025/3/6 17:30, Alt = -48
Europa End Occultation 2025/3/6 18:10, Alt = -56
Europa Start Eclipse 2025/3/6 18:13, Alt = -57

Europa End Eclipse 2025/3/6 20:53, Alt = -76
IO End Eclipse 2025/3/6 21:00, Alt = -75

IO Start Transit 2025/3/7 14:42, Alt = -14
IO Start Shadow Transit 2025/3/7 16:01, Alt = -30
IO End Transit 2025/3/7 16:55, Alt = -41
IO End Shadow Transit 2025/3/7 18:15, Alt = -58

Ganymede Start Occultation 2025/3/8 7:13, Alt = 30
Ganymede End Occultation 2025/3/8 9:37, Alt = 30
Europa Start Transit 2025/3/8 10:22, Alt = 26
IO Start Occultation 2025/3/8 11:59, Alt = 13
Ganymede Start Eclipse 2025/3/8 12:31, Alt = 8
Europa End Transit 2025/3/8 12:57, Alt = 4
Europa Start Shadow Transit 2025/3/8 12:57, Alt = 4
Ganymede End Eclipse 2025/3/8 15:00, Alt = -19
IO End Eclipse 2025/3/8 15:29, Alt = -24
Europa End Shadow Transit 2025/3/8 15:34, Alt = -25

IO Start Transit 2025/3/9 9:11, Alt = 31
IO Start Shadow Transit 2025/3/9 10:31, Alt = 25
IO End Transit 2025/3/9 11:24, Alt = 18
IO End Shadow Transit 2025/3/9 12:44, Alt = 5

Europa Start Occultation 2025/3/10 4:52, Alt = 14
IO Start Occultation 2025/3/10 6:28, Alt = 27
Europa End Occultation 2025/3/10 7:30, Alt = 31
Europa Start Eclipse 2025/3/10 7:32, Alt = 31
IO End Eclipse 2025/3/10 9:58, Alt = 28
Europa End Eclipse 2025/3/10 10:12, Alt = 27

IO Start Transit 2025/3/11 3:41, Alt = 3
IO Start Shadow Transit 2025/3/11 5:00, Alt = 16
IO End Transit 2025/3/11 5:54, Alt = 23
IO End Shadow Transit 2025/3/11 7:13, Alt = 31
Ganymede Start Transit 2025/3/11 21:27, Alt = -69
Europa Start Transit 2025/3/11 23:40, Alt = -43
Ganymede End Transit 2025/3/11 23:51, Alt = -41

IO Start Occultation 2025/3/12 0:57, Alt = -27
Europa Start Shadow Transit 2025/3/12 2:14, Alt = -12
Europa End Transit 2025/3/12 2:15, Alt = -12
Ganymede Start Shadow Transit 2025/3/12 2:43, Alt = -6
IO End Eclipse 2025/3/12 4:27, Alt = 11
Europa End Shadow Transit 2025/3/12 4:51, Alt = 15
Ganymede End Shadow Transit 2025/3/12 5:11, Alt = 18
IO Start Transit 2025/3/12 22:10, Alt = -60
IO Start Shadow Transit 2025/3/12 23:28, Alt = -45

IO End Transit 2025/3/13 0:23, Alt = -33

| | |
|--------------------------|----------------------------|
| IO End Shadow Transit | 2025/3/13 1:42, Alt = -17 |
| Europa Start Occultation | 2025/3/13 18:13, Alt = -61 |
| IO Start Occultation | 2025/3/13 19:26, Alt = -74 |
| Europa Start Eclipse | 2025/3/13 20:51, Alt = -73 |
| IO End Eclipse | 2025/3/13 22:55, Alt = -51 |
| Europa End Eclipse | 2025/3/13 23:31, Alt = -43 |

| | |
|-------------------------|----------------------------|
| IO Start Transit | 2025/3/14 16:39, Alt = -43 |
| IO Start Shadow Transit | 2025/3/14 17:57, Alt = -59 |
| IO End Transit | 2025/3/14 18:52, Alt = -69 |
| IO End Shadow Transit | 2025/3/14 20:10, Alt = -77 |

| | |
|-----------------------------|----------------------------|
| Ganymede Start Occultation | 2025/3/15 11:18, Alt = 16 |
| Europa Start Transit | 2025/3/15 12:59, Alt = 0 |
| Ganymede End Occultation | 2025/3/15 13:43, Alt = -8 |
| IO Start Occultation | 2025/3/15 13:55, Alt = -11 |
| Europa Start Shadow Transit | 2025/3/15 15:32, Alt = -30 |
| Europa End Transit | 2025/3/15 15:35, Alt = -31 |
| Ganymede Start Eclipse | 2025/3/15 16:32, Alt = -42 |
| IO End Eclipse | 2025/3/15 17:25, Alt = -53 |
| Europa End Shadow Transit | 2025/3/15 18:09, Alt = -62 |
| Ganymede End Eclipse | 2025/3/15 19:01, Alt = -71 |

| | |
|-------------------------|----------------------------|
| IO Start Transit | 2025/3/16 11:08, Alt = 17 |
| IO Start Shadow Transit | 2025/3/16 12:27, Alt = 4 |
| IO End Transit | 2025/3/16 13:21, Alt = -5 |
| IO End Shadow Transit | 2025/3/16 14:40, Alt = -20 |

| | |
|--------------------------|--------------------------|
| Europa Start Occultation | 2025/3/17 7:33, Alt = 32 |
| IO Start Occultation | 2025/3/17 8:24, Alt = 32 |
| IO End Eclipse | 2025/3/17 11:53, Alt = 9 |
| Europa End Eclipse | 2025/3/17 12:51, Alt = 0 |

| | |
|-------------------------|--------------------------|
| IO Start Transit | 2025/3/18 5:38, Alt = 24 |
| IO Start Shadow Transit | 2025/3/18 6:55, Alt = 31 |
| IO End Transit | 2025/3/18 7:51, Alt = 32 |
| IO End Shadow Transit | 2025/3/18 9:09, Alt = 30 |

| | |
|-------------------------------|---------------------------|
| Ganymede Start Transit | 2025/3/19 1:34, Alt = -15 |
| Europa Start Transit | 2025/3/19 2:19, Alt = -6 |
| IO Start Occultation | 2025/3/19 2:53, Alt = 0 |
| Ganymede End Transit | 2025/3/19 3:59, Alt = 11 |
| Europa Start Shadow Transit | 2025/3/19 4:49, Alt = 18 |
| Europa End Transit | 2025/3/19 4:54, Alt = 19 |
| IO End Eclipse | 2025/3/19 6:22, Alt = 29 |
| Ganymede Start Shadow Transit | 2025/3/19 6:44, Alt = 30 |
| Europa End Shadow Transit | 2025/3/19 7:27, Alt = 32 |
| Ganymede End Shadow Transit | 2025/3/19 9:13, Alt = 29 |

| | |
|------------------|---------------------------|
| IO Start Transit | 2025/3/20 0:07, Alt = -32 |
|------------------|---------------------------|

| | |
|--------------------------|----------------------------|
| IO Start Shadow Transit | 2025/3/20 1:24, Alt = -16 |
| IO End Transit | 2025/3/20 2:20, Alt = -5 |
| IO End Shadow Transit | 2025/3/20 3:37, Alt = 8 |
| Europa Start Occultation | 2025/3/20 20:55, Alt = -69 |
| IO Start Occultation | 2025/3/20 21:23, Alt = -64 |

| | |
|-------------------------|----------------------------|
| IO End Eclipse | 2025/3/21 0:50, Alt = -22 |
| Europa End Eclipse | 2025/3/21 2:10, Alt = -7 |
| IO Start Transit | 2025/3/21 18:37, Alt = -71 |
| IO Start Shadow Transit | 2025/3/21 19:53, Alt = -76 |
| IO End Transit | 2025/3/21 20:50, Alt = -70 |
| IO End Shadow Transit | 2025/3/21 22:06, Alt = -55 |

| | |
|-----------------------------|----------------------------|
| Ganymede Start Occultation | 2025/3/22 15:26, Alt = -34 |
| Europa Start Transit | 2025/3/22 15:39, Alt = -36 |
| IO Start Occultation | 2025/3/22 15:52, Alt = -39 |
| Ganymede End Occultation | 2025/3/22 17:53, Alt = -64 |
| Europa Start Shadow Transit | 2025/3/22 18:06, Alt = -66 |
| Europa End Transit | 2025/3/22 18:14, Alt = -67 |
| IO End Eclipse | 2025/3/22 19:19, Alt = -76 |
| Ganymede Start Eclipse | 2025/3/22 20:31, Alt = -72 |
| Europa End Shadow Transit | 2025/3/22 20:44, Alt = -70 |
| Ganymede End Eclipse | 2025/3/22 23:02, Alt = -43 |

| | |
|-------------------------|----------------------------|
| IO Start Transit | 2025/3/23 13:06, Alt = -7 |
| IO Start Shadow Transit | 2025/3/23 14:22, Alt = -21 |
| IO End Transit | 2025/3/23 15:20, Alt = -33 |
| IO End Shadow Transit | 2025/3/23 16:36, Alt = -49 |

| | |
|--------------------------|----------------------------|
| Europa Start Occultation | 2025/3/24 10:16, Alt = 20 |
| IO Start Occultation | 2025/3/24 10:21, Alt = 20 |
| IO End Eclipse | 2025/3/24 13:49, Alt = -16 |
| Europa End Eclipse | 2025/3/24 15:30, Alt = -36 |

| | |
|-------------------------|---------------------------|
| IO Start Transit | 2025/3/25 7:36, Alt = 32 |
| IO Start Shadow Transit | 2025/3/25 8:51, Alt = 29 |
| IO End Transit | 2025/3/25 9:49, Alt = 23 |
| IO End Shadow Transit | 2025/3/25 11:05, Alt = 13 |

| | |
|-------------------------------|----------------------------|
| IO Start Occultation | 2025/3/26 4:51, Alt = 22 |
| Europa Start Transit | 2025/3/26 4:59, Alt = 23 |
| Ganymede Start Transit | 2025/3/26 5:46, Alt = 28 |
| Europa Start Shadow Transit | 2025/3/26 7:25, Alt = 32 |
| Europa End Transit | 2025/3/26 7:35, Alt = 32 |
| Ganymede End Transit | 2025/3/26 8:13, Alt = 31 |
| IO End Eclipse | 2025/3/26 8:17, Alt = 31 |
| Europa End Shadow Transit | 2025/3/26 10:02, Alt = 21 |
| Ganymede Start Shadow Transit | 2025/3/26 10:46, Alt = 15 |
| Ganymede End Shadow Transit | 2025/3/26 13:16, Alt = -10 |

| | |
|--------------------------|----------------------------|
| IO Start Transit | 2025/3/27 2:06, Alt = -4 |
| IO Start Shadow Transit | 2025/3/27 3:20, Alt = 9 |
| IO End Transit | 2025/3/27 4:19, Alt = 18 |
| IO End Shadow Transit | 2025/3/27 5:33, Alt = 27 |
| IO Start Occultation | 2025/3/27 23:20, Alt = -36 |
| Europa Start Occultation | 2025/3/27 23:39, Alt = -32 |

| | |
|-------------------------|----------------------------|
| IO End Eclipse | 2025/3/28 2:46, Alt = 3 |
| Europa End Eclipse | 2025/3/28 4:49, Alt = 22 |
| IO Start Transit | 2025/3/28 20:35, Alt = -68 |
| IO Start Shadow Transit | 2025/3/28 21:49, Alt = -54 |
| IO End Transit | 2025/3/28 22:49, Alt = -42 |

| | |
|-----------------------------|----------------------------|
| IO End Shadow Transit | 2025/3/29 0:02, Alt = -27 |
| IO Start Occultation | 2025/3/29 17:50, Alt = -67 |
| Europa Start Transit | 2025/3/29 18:20, Alt = -72 |
| Ganymede Start Occultation | 2025/3/29 19:38, Alt = -76 |
| Europa Start Shadow Transit | 2025/3/29 20:42, Alt = -66 |
| Europa End Transit | 2025/3/29 20:56, Alt = -64 |
| IO End Eclipse | 2025/3/29 21:14, Alt = -60 |
| Ganymede End Occultation | 2025/3/29 22:06, Alt = -50 |
| Europa End Shadow Transit | 2025/3/29 23:20, Alt = -35 |

| | |
|-------------------------|----------------------------|
| Ganymede Start Eclipse | 2025/3/30 0:31, Alt = -20 |
| Ganymede End Eclipse | 2025/3/30 3:03, Alt = 7 |
| IO Start Transit | 2025/3/30 15:05, Alt = -35 |
| IO Start Shadow Transit | 2025/3/30 16:17, Alt = -50 |
| IO End Transit | 2025/3/30 17:18, Alt = -62 |
| IO End Shadow Transit | 2025/3/30 18:31, Alt = -74 |

| | |
|--------------------------|----------------------------|
| IO Start Occultation | 2025/3/31 12:19, Alt = -3 |
| Europa Start Occultation | 2025/3/31 13:01, Alt = -11 |
| IO End Eclipse | 2025/3/31 15:44, Alt = -44 |
| Europa End Eclipse | 2025/3/31 18:09, Alt = -72 |

| | |
|-------------------------|---------------------------|
| IO Start Transit | 2025/4/1 9:35, Alt = 22 |
| IO Start Shadow Transit | 2025/4/1 10:47, Alt = 12 |
| IO End Transit | 2025/4/1 11:48, Alt = 1 |
| IO End Shadow Transit | 2025/4/1 13:01, Alt = -11 |

| | |
|-------------------------------|---------------------------|
| IO Start Occultation | 2025/4/2 6:49, Alt = 32 |
| Europa Start Transit | 2025/4/2 7:41, Alt = 31 |
| Europa Start Shadow Transit | 2025/4/2 10:00, Alt = 18 |
| Ganymede Start Transit | 2025/4/2 10:00, Alt = 18 |
| IO End Eclipse | 2025/4/2 10:12, Alt = 17 |
| Europa End Transit | 2025/4/2 10:17, Alt = 16 |
| Ganymede End Transit | 2025/4/2 12:28, Alt = -6 |
| Europa End Shadow Transit | 2025/4/2 12:38, Alt = -8 |
| Ganymede Start Shadow Transit | 2025/4/2 14:46, Alt = -33 |
| Ganymede End Shadow Transit | 2025/4/2 17:18, Alt = -64 |

IO Start Transit 2025/4/3 4:05, Alt = 19
IO Start Shadow Transit 2025/4/3 5:16, Alt = 27
IO End Transit 2025/4/3 6:18, Alt = 31
IO End Shadow Transit 2025/4/3 7:29, Alt = 32

IO Start Occultation 2025/4/4 1:19, Alt = -8
Europa Start Occultation 2025/4/4 2:24, Alt = 3
IO End Eclipse 2025/4/4 4:41, Alt = 24
Europa End Eclipse 2025/4/4 7:28, Alt = 32
IO Start Transit 2025/4/4 22:35, Alt = -40
IO Start Shadow Transit 2025/4/4 23:45, Alt = -26

IO End Transit 2025/4/5 0:48, Alt = -13
IO End Shadow Transit 2025/4/5 1:58, Alt = 0
IO Start Occultation 2025/4/5 19:48, Alt = -72
Europa Start Transit 2025/4/5 21:02, Alt = -58
IO End Eclipse 2025/4/5 23:10, Alt = -32
Europa Start Shadow Transit 2025/4/5 23:17, Alt = -31
Europa End Transit 2025/4/5 23:39, Alt = -26
Ganymede Start Occultation 2025/4/5 23:53, Alt = -23

Europa End Shadow Transit 2025/4/6 1:56, Alt = 0
Ganymede End Occultation 2025/4/6 2:23, Alt = 4
Ganymede Start Eclipse 2025/4/6 4:31, Alt = 23
Ganymede End Eclipse 2025/4/6 7:05, Alt = 32
IO Start Transit 2025/4/6 17:04, Alt = -64
IO Start Shadow Transit 2025/4/6 18:13, Alt = -75
IO End Transit 2025/4/6 19:18, Alt = -75
IO End Shadow Transit 2025/4/6 20:27, Alt = -64

IO Start Occultation 2025/4/7 14:18, Alt = -31
Europa Start Occultation 2025/4/7 15:47, Alt = -49
IO End Eclipse 2025/4/7 17:38, Alt = -71
Europa End Eclipse 2025/4/7 20:46, Alt = -60

IO Start Transit 2025/4/8 11:34, Alt = 0
IO Start Shadow Transit 2025/4/8 12:42, Alt = -12
IO End Transit 2025/4/8 13:48, Alt = -25
IO End Shadow Transit 2025/4/8 14:56, Alt = -39

IO Start Occultation 2025/4/9 8:48, Alt = 24
Europa Start Transit 2025/4/9 10:23, Alt = 11
IO End Eclipse 2025/4/9 12:08, Alt = -6
Europa Start Shadow Transit 2025/4/9 12:35, Alt = -11
Europa End Transit 2025/4/9 13:00, Alt = -16
Ganymede Start Transit 2025/4/9 14:16, Alt = -32
Europa End Shadow Transit 2025/4/9 15:14, Alt = -44
Ganymede End Transit 2025/4/9 16:46, Alt = -62
Ganymede Start Shadow Transit 2025/4/9 18:47, Alt = -77

Ganymede End Shadow Transit 2025/4/9 21:20, Alt = -52

IO Start Transit 2025/4/10 6:04, Alt = 32
IO Start Shadow Transit 2025/4/10 7:12, Alt = 31
IO End Transit 2025/4/10 8:18, Alt = 27
IO End Shadow Transit 2025/4/10 9:25, Alt = 19

IO Start Occultation 2025/4/11 3:18, Alt = 16
Europa Start Occultation 2025/4/11 5:11, Alt = 29
IO End Eclipse 2025/4/11 6:36, Alt = 32
Europa End Eclipse 2025/4/11 10:07, Alt = 13

IO Start Transit 2025/4/12 0:34, Alt = -12
IO Start Shadow Transit 2025/4/12 1:40, Alt = 0
IO End Transit 2025/4/12 2:48, Alt = 12
IO End Shadow Transit 2025/4/12 3:54, Alt = 21
IO Start Occultation 2025/4/12 21:48, Alt = -44
Europa Start Transit 2025/4/12 23:45, Alt = -21

IO End Eclipse 2025/4/13 1:05, Alt = -5
Europa Start Shadow Transit 2025/4/13 1:53, Alt = 3
Europa End Transit 2025/4/13 2:23, Alt = 8
Ganymede Start Occultation 2025/4/13 4:10, Alt = 23
Europa End Shadow Transit 2025/4/13 4:32, Alt = 26
Ganymede End Occultation 2025/4/13 6:42, Alt = 32
Ganymede Start Eclipse 2025/4/13 8:32, Alt = 25
Ganymede End Eclipse 2025/4/13 11:07, Alt = 1
IO Start Transit 2025/4/13 19:04, Alt = -75
IO Start Shadow Transit 2025/4/13 20:09, Alt = -64
IO End Transit 2025/4/13 21:18, Alt = -50
IO End Shadow Transit 2025/4/13 22:23, Alt = -37

IO Start Occultation 2025/4/14 16:17, Alt = -60
Europa Start Occultation 2025/4/14 18:34, Alt = -77
IO End Eclipse 2025/4/14 19:33, Alt = -70
Europa End Eclipse 2025/4/14 23:25, Alt = -23

IO Start Transit 2025/4/15 13:34, Alt = -27
IO Start Shadow Transit 2025/4/15 14:38, Alt = -40
IO End Transit 2025/4/15 15:48, Alt = -54
IO End Shadow Transit 2025/4/15 16:51, Alt = -67

IO Start Occultation 2025/4/16 10:47, Alt = 3
Europa Start Transit 2025/4/16 13:07, Alt = -22
IO End Eclipse 2025/4/16 14:02, Alt = -34
Europa Start Shadow Transit 2025/4/16 15:10, Alt = -47
Europa End Transit 2025/4/16 15:45, Alt = -54
Europa End Shadow Transit 2025/4/16 17:49, Alt = -76
Ganymede Start Transit 2025/4/16 18:35, Alt = -77
Ganymede End Transit 2025/4/16 21:07, Alt = -50

Ganymede Start Shadow Transit 2025/4/16 22:46, Alt = -30

Ganymede End Shadow Transit 2025/4/17 1:21, Alt = 0
IO Start Transit 2025/4/17 8:05, Alt = 26
IO Start Shadow Transit 2025/4/17 9:06, Alt = 19
IO End Transit 2025/4/17 10:18, Alt = 8
IO End Shadow Transit 2025/4/17 11:20, Alt = -2

IO Start Occultation 2025/4/18 5:17, Alt = 30
Europa Start Occultation 2025/4/18 7:58, Alt = 27
IO End Eclipse 2025/4/18 8:31, Alt = 23
Europa End Eclipse 2025/4/18 12:45, Alt = -19

IO Start Transit 2025/4/19 2:35, Alt = 13
IO Start Shadow Transit 2025/4/19 3:36, Alt = 22
IO End Transit 2025/4/19 4:48, Alt = 29
IO End Shadow Transit 2025/4/19 5:50, Alt = 32
IO Start Occultation 2025/4/19 23:47, Alt = -16

Europa Start Transit 2025/4/20 2:30, Alt = 13
IO End Eclipse 2025/4/20 3:00, Alt = 17
Europa Start Shadow Transit 2025/4/20 4:28, Alt = 27
Europa End Transit 2025/4/20 5:08, Alt = 30
Europa End Shadow Transit 2025/4/20 7:07, Alt = 30
Ganymede Start Occultation 2025/4/20 8:31, Alt = 22
Ganymede End Occultation 2025/4/20 11:04, Alt = -1
Ganymede Start Eclipse 2025/4/20 12:33, Alt = -18
Ganymede End Eclipse 2025/4/20 15:09, Alt = -50
IO Start Transit 2025/4/20 21:05, Alt = -48
IO Start Shadow Transit 2025/4/20 22:05, Alt = -36
IO End Transit 2025/4/20 23:18, Alt = -21

IO End Shadow Transit 2025/4/21 0:19, Alt = -9
IO Start Occultation 2025/4/21 18:17, Alt = -77
Europa Start Occultation 2025/4/21 21:22, Alt = -44
IO End Eclipse 2025/4/21 21:29, Alt = -43

Europa End Eclipse 2025/4/22 2:03, Alt = 9
IO Start Transit 2025/4/22 15:35, Alt = -56
IO Start Shadow Transit 2025/4/22 16:34, Alt = -68
IO End Transit 2025/4/22 17:49, Alt = -77
IO End Shadow Transit 2025/4/22 18:47, Alt = -73

IO Start Occultation 2025/4/23 12:47, Alt = -23
IO End Eclipse 2025/4/23 15:57, Alt = -61
Europa Start Transit 2025/4/23 15:53, Alt = -61
Europa Start Shadow Transit 2025/4/23 17:45, Alt = -77
Europa End Transit 2025/4/23 18:31, Alt = -75
Europa End Shadow Transit 2025/4/23 20:25, Alt = -54
Ganymede Start Transit 2025/4/23 22:56, Alt = -24

Ganymede End Transit 2025/4/24 1:29, Alt = 4
Ganymede Start Shadow Transit 2025/4/24 2:46, Alt = 17
Ganymede End Shadow Transit 2025/4/24 5:22, Alt = 31
IO Start Transit 2025/4/24 10:05, Alt = 6
IO Start Shadow Transit 2025/4/24 11:02, Alt = -3
IO End Transit 2025/4/24 12:19, Alt = -18
IO End Shadow Transit 2025/4/24 13:16, Alt = -29

IO Start Occultation 2025/4/25 7:17, Alt = 28
IO End Eclipse 2025/4/25 10:26, Alt = 2
Europa Start Occultation 2025/4/25 10:47, Alt = -1
Europa End Eclipse 2025/4/25 15:23, Alt = -56

IO Start Transit 2025/4/26 4:35, Alt = 29
IO Start Shadow Transit 2025/4/26 5:31, Alt = 32
IO End Transit 2025/4/26 6:49, Alt = 30
IO End Shadow Transit 2025/4/26 7:45, Alt = 25

IO Start Occultation 2025/4/27 1:47, Alt = 9
IO End Eclipse 2025/4/27 4:54, Alt = 31
Europa Start Transit 2025/4/27 5:16, Alt = 31
Europa Start Shadow Transit 2025/4/27 7:03, Alt = 29
Europa End Transit 2025/4/27 7:54, Alt = 24
Europa End Shadow Transit 2025/4/27 9:42, Alt = 8
Ganymede Start Occultation 2025/4/27 12:52, Alt = -26
Ganymede End Occultation 2025/4/27 15:27, Alt = -58
Ganymede Start Eclipse 2025/4/27 16:32, Alt = -70
Ganymede End Eclipse 2025/4/27 19:10, Alt = -67
IO Start Transit 2025/4/27 23:06, Alt = -19
IO Start Shadow Transit 2025/4/28 0:00, Alt = -8

IO End Transit 2025/4/28 1:19, Alt = 5
IO End Shadow Transit 2025/4/28 2:13, Alt = 14
IO Start Occultation 2025/4/28 20:17, Alt = -53
IO End Eclipse 2025/4/28 23:23, Alt = -15

Europa Start Occultation 2025/4/29 0:11, Alt = -6
Europa End Eclipse 2025/4/29 4:42, Alt = 30
IO Start Transit 2025/4/29 17:36, Alt = -77
IO Start Shadow Transit 2025/4/29 18:29, Alt = -73
IO End Transit 2025/4/29 19:50, Alt = -58
IO End Shadow Transit 2025/4/29 20:43, Alt = -47
