| Semester 2013A | February | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **LMST 0h HST** | 08 29 | 08 33 | 08 37 | 08 40 | 08 44 | 08 48 | 08 52 | 08 56 | 09 00 | 09 04 | 09 08 | 09 12 | 09 16 | 09 20 | 09 24 | 09 28 | 09 32 | 09 36 | 09 40 | 09 44 | 09 47 | 09 51 | 09 55 | 09 59 | 10 03 | 10 07 | 10 11 | 10 15 |
| **Moon % Illum.** | 62 | 51 | 40 | 29 | 19 | 10 | 4 | 1 | 0 | 2 | 6 | 12 | 20 | 28 | 37 | 47 | 56 | 65 | 74 | 82 | 89 | 94 | 98 | 100 | 100 | 97 | 92 | 85 |
| | 62 | 51 | | | | | | | NM | | | | | | | | 56 | 65 | 74 | 82 | 89 | 94 | 98 | PL | PL | 97 | 92 | 85 |
| **Day** | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu |
| **Date** | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| **Upper End Instrument** | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | E | E | E | E | E | E | E | E | E | E |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| **Remarks** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Support Astro.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **TIC** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **STIC** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Day Crew** | | | | | | | | | | | | | | | | | | Presidents' Day | | | | | | | | | | |
| **Day** | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu |
| **Date** | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |

| Semester 2013A | March | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| **LMST 0h HST** | 10 19 | 10 23 | 10 27 | 10 31 | 10 35 | 10 39 | 10 43 | 10 47 | 10 51 | 10 55 | 10 58 | 11 02 | 11 06 | 11 10 | 11 14 | 11 18 | 11 22 | 11 26 | 11 30 | 11 34 | 11 38 | 11 42 | 11 46 | 11 50 | 11 54 | 11 58 | 12 02 | 12 05 | 12 09 | 12 13 | 12 17 |
| **Moon % Illum.** | 76 | 66 | 55 | 43 | 32 | 22 | 13 | 7 | 2 | 0 | 1 | 3 | 8 | 14 | 21 | 30 | 39 | 48 | 57 | 67 | 76 | 84 | 90 | 96 | 99 | 100 | 98 | 94 | 88 | 79 | 69 |
| | 76 | 66 | 55 | | | | | | | NM | | | | | | | | | 57 | 67 | 76 | 84 | 90 | 96 | 99 | PL | 98 | 94 | 88 | 79 | 69 |
| **Day** | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| **Date** | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| **Upper End Instrument** | E | E | E | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | W | W | W | W | W | W | W | W | W | W | W | W | W |
| | | 11 | 12 | 13 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| **Remarks** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Support Astro.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **TIC** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **STIC** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Day Crew** | | | | | | | | | | | | | | | | | | | | | | | | | | Prince Kuhio Day | | | Good Friday | | |
| **Day** | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| **Date** | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |

| Semester 2013A | April | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **LMST 0h HST** | 12 21 | 12 25 | 12 29 | 12 33 | 12 37 | 12 41 | 12 45 | 12 49 | 12 53 | 12 57 | 13 01 | 13 05 | 13 09 | 13 13 | 13 16 | 13 20 | 13 24 | 13 28 | 13 32 | 13 36 | 13 40 | 13 44 | 13 48 | 13 52 | 13 56 | 14 00 | 14 04 | 14 08 | 14 12 | 14 16 |
| **Moon % Illum.** | 58 | 47 | 35 | 25 | 16 | 9 | 4 | 1 | 0 | 1 | 4 | 9 | 15 | 23 | 31 | 40 | 50 | 59 | 69 | 78 | 86 | 93 | 98 | 100 | 99 | 96 | 90 | 82 | 72 | 61 |
| | 58 | | | | | | | | NM | | | | | | | | | 59 | 69 | 78 | 86 | 93 | 98 | PL | 99 | 96 | 90 | 82 | 72 | 61 |
| **Day** | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue |
| **Date** | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| **Upper End Instrument** | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | W | W | W | W | W | W | W | W | W | W | W | W |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| **Remarks** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Support Astro.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **TIC** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **STIC** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Day Crew** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Day** | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue |
| **Date** | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |

| Semester 2013A | May | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| **LMST 0h HST** | 14 20 | 14 23 | 14 27 | 14 31 | 14 35 | 14 39 | 14 43 | 14 47 | 14 51 | 14 55 | 14 59 | 15 03 | 15 07 | 15 11 | 15 15 | 15 19 | 15 23 | 15 27 | 15 31 | 15 34 | 15 38 | 15 42 | 15 46 | 15 50 | 15 54 | 15 58 | 16 02 | 16 06 | 16 10 | 16 14 | 16 18 |
| **Moon % Illum.** | 50 | 39 | 29 | 20 | 12 | 6 | 2 | 0 | 0 | 2 | 6 | 11 | 17 | 25 | 34 | 43 | 53 | 63 | 73 | 82 | 90 | 96 | 99 | 100 | 97 | 92 | 84 | 75 | 64 | 53 | 43 |
| | | | | | | | | NM | NM | | | | | | | | 53 | 63 | 73 | 82 | 90 | 96 | 99 | PL | 97 | 92 | 84 | 75 | 64 | 53 | |
| **Day** | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri |
| **Date** | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| **Upper End Instrument** | M | M | M | M | M | M | M | M | M | M | M | M | M | M | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | M |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 1 |
| **Remarks** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Support Astro.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **TIC** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **STIC** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Day Crew** | | | | | | | | | | | | | | | | | | | | | | | | | | | Memorial Day | | | | |
| **Day** | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri |
| **Date** | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |

| Semester 2013A | June | | | | | | | | | | | | | | | | | | | | | | June | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LMST 0h HST | 16 22 | 16 26 | 16 30 | 16 34 | 16 38 | 16 41 | 16 45 | 16 49 | 16 53 | 16 57 | 17 01 | 17 05 | 17 09 | 17 13 | 17 17 | 17 21 | 17 25 | 17 29 | 17 33 | 17 37 | 17 41 | 17 45 | 17 48 | 17 52 | 17 56 | 18 00 | 18 04 | 18 08 | 18 12 | 18 16 |
| Moon % Illum. | 32 | 23 | 15 | 9 | 4 | 1 | 0 | 1 | 3 | 7 | 13 | 20 | 28 | 37 | 48 | 58 | 69 | 79 | 87 | 94 | 99 | 100 | 98 | 94 | 87 | 78 | 68 | 58 | 47 | 37 |
| | | | | | | | NM | | | | | | | | | 58 | 69 | 79 | 87 | 94 | 99 | PL | 98 | 94 | 87 | 78 | 68 | 58 | | |
| Day | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| Date | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| Upper End Instrument | M | M | M | M | M | M | M | M | M | M | M | M | M | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E |
| | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| Remarks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Support Astro. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| STIC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Day Crew | | | | | | | | | | | King Kamehameha Day | | | | | | | | | | | | | | | | | | | |
| Day | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| Date | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |

| Semester 2013A | July | | | | | | | | | | | | | | | | | | | | | | July | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LMST 0h HST | 18 20 | 18 24 | 18 28 | 18 32 | 18 36 | 18 40 | 18 44 | 18 48 | 18 52 | 18 56 | 18 59 | 19 03 | 19 07 | 19 11 | 19 15 | 19 19 | 19 23 | 19 27 | 19 31 | 19 35 | 19 39 | 19 43 | 19 47 | 19 51 | 19 55 | 19 59 | 20 03 | 20 06 | 20 10 | 20 14 | 20 18 |
| Moon % Illum. | 28 | 20 | 13 | 7 | 3 | 1 | 0 | 1 | 4 | 9 | 16 | 24 | 33 | 43 | 54 | 65 | 75 | 85 | 92 | 98 | 100 | 99 | 96 | 90 | 82 | 72 | 63 | 52 | 43 | 33 | 24 |
| | | | | | | | NM | | | | | | | | 54 | 65 | 75 | 85 | 92 | 98 | PL | 99 | 96 | 90 | 82 | 72 | 63 | 52 | | | |
| Day | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed |
| Date | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| Upper End Instrument | M | M | M | M | M | M | M | M | M | M | M | M | M | M | W | W | W | W | W | W | W | W | W | W | W | W | W | W | M | M | M |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 1 | 2 | 3 |
| Remarks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Support Astro. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Day Crew | | | | Independence Day | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Day | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed |
| Date | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |