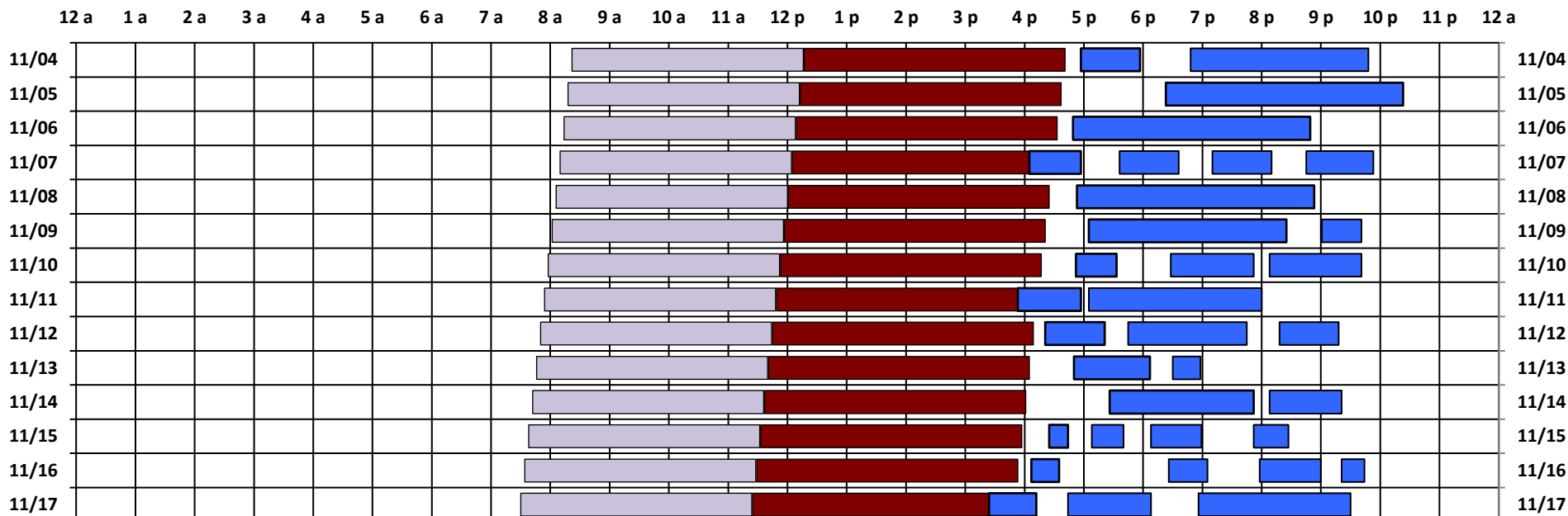


You are viewing the satellite schedule in Zulu (UTC) Time.

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|--------|
| SPTR   |
| Skynet |
| DSCS   |

### South Pole Satellite Schedule



| Date     | SPTR Pass 1 |         |      | SPTR Pass 2 |         |         | SPTR Pass 3 |         |         | SPTR Pass 4 |         |         | SPTR Pass 5 |         |         | Total Dur | DSCS Pass |         | Skynet Pass |        |
|----------|-------------|---------|------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-----------|-----------|---------|-------------|--------|
|          | Start       | End     | Dur  | Start       | End     | Dur     | Start       | End     | Dur     | Start       | End     | Dur     | Start       | End     | Dur     |           | Start     | End     | Start       | End    |
| 11/04/18 | 4:57 P      | 5:57 P  | 1:00 | 6:48 P      | 9:48 P  | 3:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 8:22 A    | 12:16 P | 12:17 P     | 4:41 P |
| 11/05/18 | 6:23 P      | 10:23 P | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 8:18 A    | 12:12 P | 12:13 P     | 4:37 P |
| 11/06/18 | 4:49 P      | 8:49 P  | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 8:14 A    | 12:08 P | 12:09 P     | 4:33 P |
| 11/07/18 | 4:05 P      | 4:57 P  | 0:52 | 5:36 P      | 6:36 P  | 1:00    | 7:10 P      | 8:10 P  | 1:00    | 8:45 P      | 9:53 P  | 1:08    | No Pass     | No Pass | No Pass | 4:00      | 8:10 A    | 12:04 P | 12:05 P     | 4:29 P |
| 11/08/18 | 4:53 P      | 8:53 P  | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 8:06 A    | 12:00 P | 12:01 P     | 4:25 P |
| 11/09/18 | 5:05 P      | 8:25 P  | 3:20 | 9:01 P      | 9:41 P  | 0:40    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 8:02 A    | 11:56 A | 11:57 A     | 4:21 P |
| 11/10/18 | 4:52 P      | 5:33 P  | 0:41 | 6:28 P      | 7:52 P  | 1:24    | 8:08 P      | 9:41 P  | 1:33    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:38      | 7:58 A    | 11:52 A | 11:53 A     | 4:17 P |
| 11/11/18 | 3:53 P      | 4:57 P  | 1:04 | 5:05 P      | 8:00 P  | 2:55    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:59      | 7:54 A    | 11:48 A | 11:49 A     | 4:13 P |
| 11/12/18 | 4:21 P      | 5:21 P  | 1:00 | 5:45 P      | 7:45 P  | 2:00    | 8:18 P      | 9:18 P  | 1:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 7:50 A    | 11:44 A | 11:45 A     | 4:09 P |
| 11/13/18 | 4:50 P      | 6:07 P  | 1:17 | 6:30 P      | 6:58 P  | 0:28    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 1:45      | 7:46 A    | 11:40 A | 11:41 A     | 4:05 P |
| 11/14/18 | 5:26 P      | 7:52 P  | 2:26 | 8:08 P      | 9:21 P  | 1:13    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:39      | 7:42 A    | 11:36 A | 11:37 A     | 4:01 P |
| 11/15/18 | 4:25 P      | 4:44 P  | 0:19 | 5:08 P      | 5:40 P  | 0:32    | 6:08 P      | 6:59 P  | 0:51    | 7:52 P      | 8:27 P  | 0:35    | No Pass     | No Pass | No Pass | 2:17      | 7:38 A    | 11:32 A | 11:33 A     | 3:57 P |
| 11/16/18 | 4:07 P      | 4:35 P  | 0:28 | 6:26 P      | 7:05 P  | 0:39    | 7:58 P      | 9:00 P  | 1:02    | 9:21 P      | 9:44 P  | 0:23    | No Pass     | No Pass | No Pass | 2:32      | 7:34 A    | 11:28 A | 11:29 A     | 3:53 P |
| 11/17/18 | 3:24 P      | 4:12 P  | 0:48 | 4:44 P      | 6:08 P  | 1:24    | 6:56 P      | 9:30 P  | 2:34    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:46      | 7:30 A    | 11:24 A | 11:25 A     | 3:49 P |

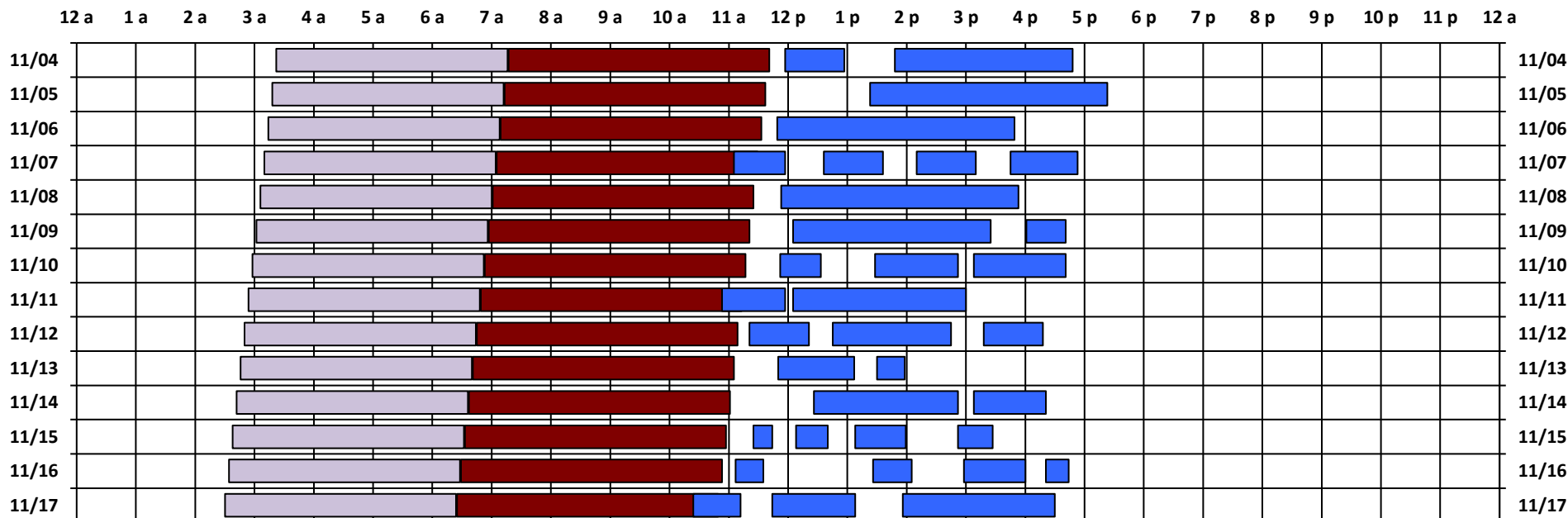
\* Pass continues from previous or into next day.

† An additional pass occurs on this day, not shown on the schedule. Refer to CEL text file for details.

You are viewing the satellite schedule in Eastern Time. Daylight saving time, when applicable, is included.

|        |
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| SPTR   |
| Skynet |
| DSCS   |

### South Pole Satellite Schedule



| Date     | SPTR Pass 1 |         |      | SPTR Pass 2 |         |         | SPTR Pass 3 |         |         | SPTR Pass 4 |         |         | SPTR Pass 5 |         |         | Total Dur | DSCS Pass |        | Skynet Pass |         |
|----------|-------------|---------|------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-----------|-----------|--------|-------------|---------|
|          | Start       | End     | Dur  | Start       | End     | Dur     | Start       | End     | Dur     | Start       | End     | Dur     | Start       | End     | Dur     |           | Start     | End    | Start       | End     |
| 11/04/18 | 11:57 A     | 12:57 P | 1:00 | 1:48 P      | 4:48 P  | 3:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 3:22 A    | 7:16 A | 7:17 A      | 11:41 A |
| 11/05/18 | 1:23 P      | 5:23 P  | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 3:18 A    | 7:12 A | 7:13 A      | 11:37 A |
| 11/06/18 | 11:49 A     | 3:49 P  | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 3:14 A    | 7:08 A | 7:09 A      | 11:33 A |
| 11/07/18 | 11:05 A     | 11:57 A | 0:52 | 12:36 P     | 1:36 P  | 1:00    | 2:10 P      | 3:10 P  | 1:00    | 3:45 P      | 4:53 P  | 1:08    | No Pass     | No Pass | No Pass | 4:00      | 3:10 A    | 7:04 A | 7:05 A      | 11:29 A |
| 11/08/18 | 11:53 A     | 3:53 P  | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 3:06 A    | 7:00 A | 7:01 A      | 11:25 A |
| 11/09/18 | 12:05 P     | 3:25 P  | 3:20 | 4:01 P      | 4:41 P  | 0:40    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 3:02 A    | 6:56 A | 6:57 A      | 11:21 A |
| 11/10/18 | 11:52 A     | 12:33 P | 0:41 | 1:28 P      | 2:52 P  | 1:24    | 3:08 P      | 4:41 P  | 1:33    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:38      | 2:58 A    | 6:52 A | 6:53 A      | 11:17 A |
| 11/11/18 | 10:53 A     | 11:57 A | 1:04 | 12:05 P     | 3:00 P  | 2:55    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:59      | 2:54 A    | 6:48 A | 6:49 A      | 11:13 A |
| 11/12/18 | 11:21 A     | 12:21 P | 1:00 | 12:45 P     | 2:45 P  | 2:00    | 3:18 P      | 4:18 P  | 1:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 2:50 A    | 6:44 A | 6:45 A      | 11:09 A |
| 11/13/18 | 11:50 A     | 1:07 P  | 1:17 | 1:30 P      | 1:58 P  | 0:28    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 1:45      | 2:46 A    | 6:40 A | 6:41 A      | 11:05 A |
| 11/14/18 | 12:26 P     | 2:52 P  | 2:26 | 3:08 P      | 4:21 P  | 1:13    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:39      | 2:42 A    | 6:36 A | 6:37 A      | 11:01 A |
| 11/15/18 | 11:25 A     | 11:44 A | 0:19 | 12:08 P     | 12:40 P | 0:32    | 1:08 P      | 1:59 P  | 0:51    | 2:52 P      | 3:27 P  | 0:35    | No Pass     | No Pass | No Pass | 2:17      | 2:38 A    | 6:32 A | 6:33 A      | 10:57 A |
| 11/16/18 | 11:07 A     | 11:35 A | 0:28 | 1:26 P      | 2:05 P  | 0:39    | 2:58 P      | 4:00 P  | 1:02    | 4:21 P      | 4:44 P  | 0:23    | No Pass     | No Pass | No Pass | 2:32      | 2:34 A    | 6:28 A | 6:29 A      | 10:53 A |
| 11/17/18 | 10:24 A     | 11:12 A | 0:48 | 11:44 A     | 1:08 P  | 1:24    | 1:56 P      | 4:30 P  | 2:34    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:46      | 2:30 A    | 6:24 A | 6:25 A      | 10:49 A |

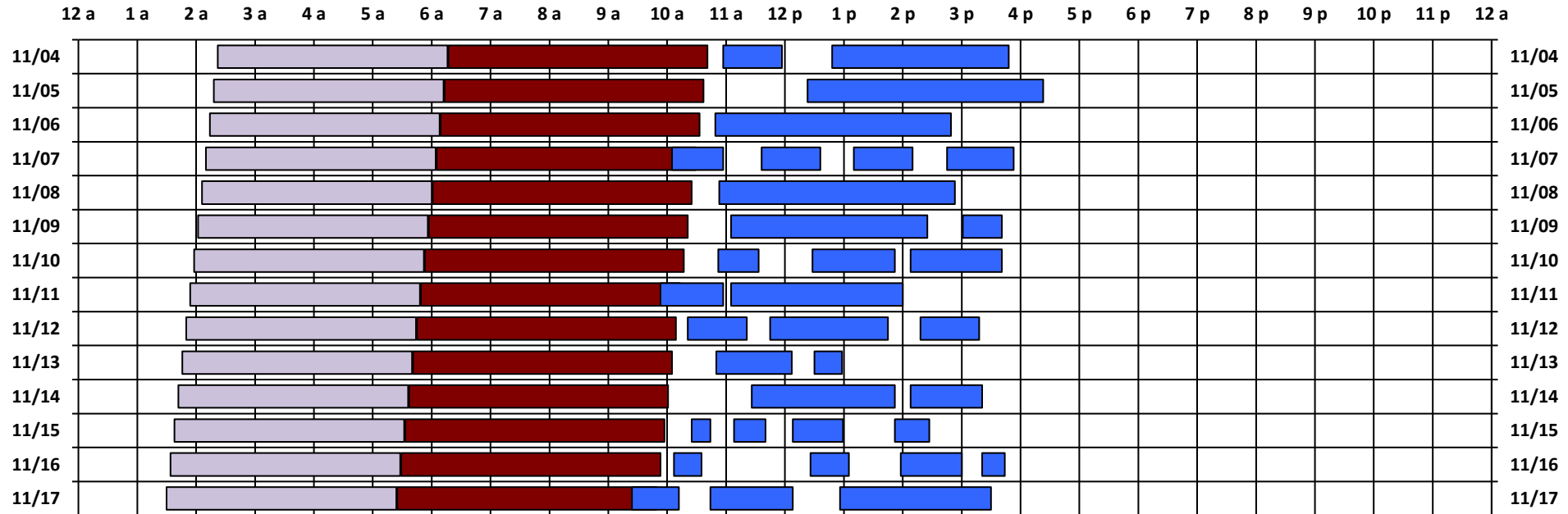
\* Pass continues from previous or into next day.

† An additional pass occurs on this day, not shown on the schedule. Refer to CEL text file for details.

You are viewing the satellite schedule in Central Time. Daylight saving time, when applicable, is included.

|        |
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| SPTR   |
| Skynet |
| DSCS   |

### South Pole Satellite Schedule



| Date     | SPTR Pass 1 |         |      | SPTR Pass 2 |         |         | SPTR Pass 3 |         |         | SPTR Pass 4 |         |         | SPTR Pass 5 |         |         | Total Dur | DSCS Pass |        | Skynet Pass |         |
|----------|-------------|---------|------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-----------|-----------|--------|-------------|---------|
|          | Start       | End     | Dur  | Start       | End     | Dur     | Start       | End     | Dur     | Start       | End     | Dur     | Start       | End     | Dur     |           | Start     | End    | Start       | End     |
| 11/04/18 | 10:57 A     | 11:57 A | 1:00 | 12:48 P     | 3:48 P  | 3:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 2:22 A    | 6:16 A | 6:17 A      | 10:41 A |
| 11/05/18 | 12:23 P     | 4:23 P  | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 2:18 A    | 6:12 A | 6:13 A      | 10:37 A |
| 11/06/18 | 10:49 A     | 2:49 P  | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 2:14 A    | 6:08 A | 6:09 A      | 10:33 A |
| 11/07/18 | 10:05 A     | 10:57 A | 0:52 | 11:36 A     | 12:36 P | 1:00    | 1:10 P      | 2:10 P  | 1:00    | 2:45 P      | 3:53 P  | 1:08    | No Pass     | No Pass | No Pass | 4:00      | 2:10 A    | 6:04 A | 6:05 A      | 10:29 A |
| 11/08/18 | 10:53 A     | 2:53 P  | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 2:06 A    | 6:00 A | 6:01 A      | 10:25 A |
| 11/09/18 | 11:05 A     | 2:25 P  | 3:20 | 3:01 P      | 3:41 P  | 0:40    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 2:02 A    | 5:56 A | 5:57 A      | 10:21 A |
| 11/10/18 | 10:52 A     | 11:33 A | 0:41 | 12:28 P     | 1:52 P  | 1:24    | 2:08 P      | 3:41 P  | 1:33    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:38      | 1:58 A    | 5:52 A | 5:53 A      | 10:17 A |
| 11/11/18 | 9:53 A      | 10:57 A | 1:04 | 11:05 A     | 2:00 P  | 2:55    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:59      | 1:54 A    | 5:48 A | 5:49 A      | 10:13 A |
| 11/12/18 | 10:21 A     | 11:21 A | 1:00 | 11:45 A     | 1:45 P  | 2:00    | 2:18 P      | 3:18 P  | 1:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 1:50 A    | 5:44 A | 5:45 A      | 10:09 A |
| 11/13/18 | 10:50 A     | 12:07 P | 1:17 | 12:30 P     | 12:58 P | 0:28    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 1:45      | 1:46 A    | 5:40 A | 5:41 A      | 10:05 A |
| 11/14/18 | 11:26 A     | 1:52 P  | 2:26 | 2:08 P      | 3:21 P  | 1:13    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:39      | 1:42 A    | 5:36 A | 5:37 A      | 10:01 A |
| 11/15/18 | 10:25 A     | 10:44 A | 0:19 | 11:08 A     | 11:40 A | 0:32    | 12:08 P     | 12:59 P | 0:51    | 1:52 P      | 2:27 P  | 0:35    | No Pass     | No Pass | No Pass | 2:17      | 1:38 A    | 5:32 A | 5:33 A      | 9:57 A  |
| 11/16/18 | 10:07 A     | 10:35 A | 0:28 | 12:26 P     | 1:05 P  | 0:39    | 1:58 P      | 3:00 P  | 1:02    | 3:21 P      | 3:44 P  | 0:23    | No Pass     | No Pass | No Pass | 2:32      | 1:34 A    | 5:28 A | 5:29 A      | 9:53 A  |
| 11/17/18 | 9:24 A      | 10:12 A | 0:48 | 10:44 A     | 12:08 P | 1:24    | 12:56 P     | 3:30 P  | 2:34    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:46      | 1:30 A    | 5:24 A | 5:25 A      | 9:49 A  |

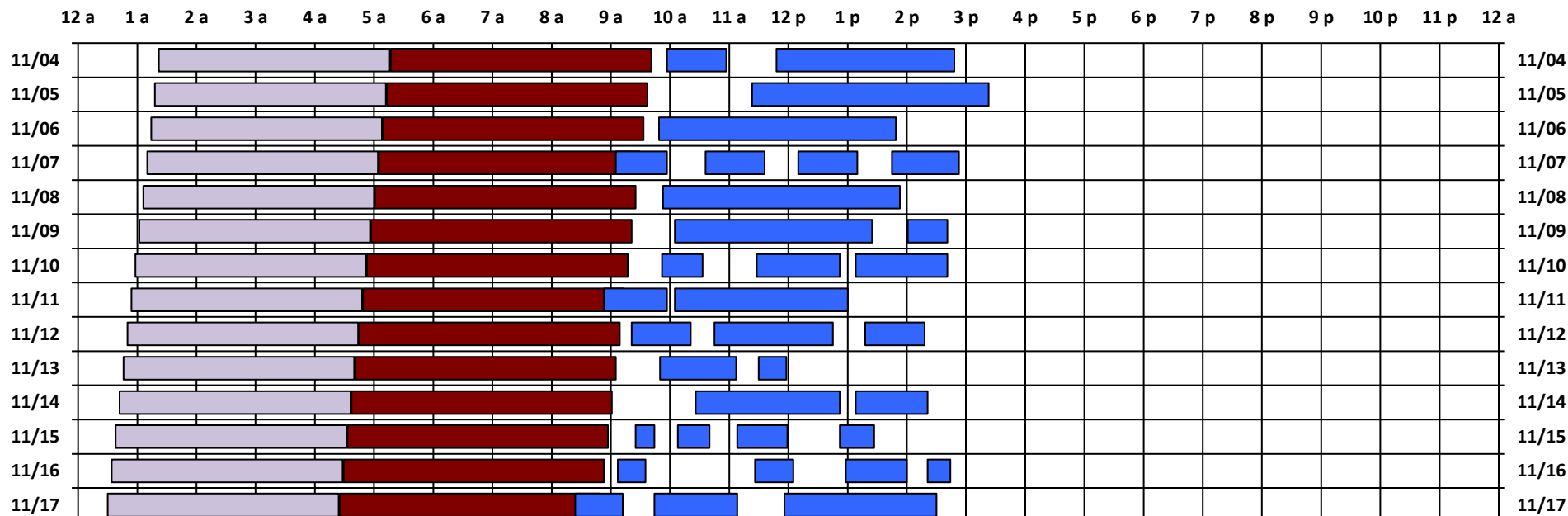
\* Pass continues from previous or into next day.

† An additional pass occurs on this day, not shown on the schedule. Refer to CEL text file for details.

You are viewing the satellite schedule in Mountain Time. Daylight saving time, when applicable, is included.

|        |
|--------|
| SPTR   |
| Skynet |
| DSCS   |

### South Pole Satellite Schedule



| Date     | SPTR Pass 1 |         |      | SPTR Pass 2 |         |         | SPTR Pass 3 |         |         | SPTR Pass 4 |         |         | SPTR Pass 5 |         |         | Total Dur | DSCS Pass |        | Skynet Pass |        |
|----------|-------------|---------|------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-----------|-----------|--------|-------------|--------|
|          | Start       | End     | Dur  | Start       | End     | Dur     | Start       | End     | Dur     | Start       | End     | Dur     | Start       | End     | Dur     |           | Start     | End    | Start       | End    |
| 11/04/18 | 9:57 A      | 10:57 A | 1:00 | 11:48 A     | 2:48 P  | 3:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 1:22 A    | 5:16 A | 5:17 A      | 9:41 A |
| 11/05/18 | 11:23 A     | 3:23 P  | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 1:18 A    | 5:12 A | 5:13 A      | 9:37 A |
| 11/06/18 | 9:49 A      | 1:49 P  | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 1:14 A    | 5:08 A | 5:09 A      | 9:33 A |
| 11/07/18 | 9:05 A      | 9:57 A  | 0:52 | 10:36 A     | 11:36 A | 1:00    | 12:10 P     | 1:10 P  | 1:00    | 1:45 P      | 2:53 P  | 1:08    | No Pass     | No Pass | No Pass | 4:00      | 1:10 A    | 5:04 A | 5:05 A      | 9:29 A |
| 11/08/18 | 9:53 A      | 1:53 P  | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 1:06 A    | 5:00 A | 5:01 A      | 9:25 A |
| 11/09/18 | 10:05 A     | 1:25 P  | 3:20 | 2:01 P      | 2:41 P  | 0:40    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 1:02 A    | 4:56 A | 4:57 A      | 9:21 A |
| 11/10/18 | 9:52 A      | 10:33 A | 0:41 | 11:28 A     | 12:52 P | 1:24    | 1:08 P      | 2:41 P  | 1:33    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:38      | 12:58 A   | 4:52 A | 4:53 A      | 9:17 A |
| 11/11/18 | 8:53 A      | 9:57 A  | 1:04 | 10:05 A     | 1:00 P  | 2:55    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:59      | 12:54 A   | 4:48 A | 4:49 A      | 9:13 A |
| 11/12/18 | 9:21 A      | 10:21 A | 1:00 | 10:45 A     | 12:45 P | 2:00    | 1:18 P      | 2:18 P  | 1:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 12:50 A   | 4:44 A | 4:45 A      | 9:09 A |
| 11/13/18 | 9:50 A      | 11:07 A | 1:17 | 11:30 A     | 11:58 A | 0:28    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 1:45      | 12:46 A   | 4:40 A | 4:41 A      | 9:05 A |
| 11/14/18 | 10:26 A     | 12:52 P | 2:26 | 1:08 P      | 2:21 P  | 1:13    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:39      | 12:42 A   | 4:36 A | 4:37 A      | 9:01 A |
| 11/15/18 | 9:25 A      | 9:44 A  | 0:19 | 10:08 A     | 10:40 A | 0:32    | 11:08 A     | 11:59 A | 0:51    | 12:52 P     | 1:27 P  | 0:35    | No Pass     | No Pass | No Pass | 2:17      | 12:38 A   | 4:32 A | 4:33 A      | 8:57 A |
| 11/16/18 | 9:07 A      | 9:35 A  | 0:28 | 11:26 A     | 12:05 P | 0:39    | 12:58 P     | 2:00 P  | 1:02    | 2:21 P      | 2:44 P  | 0:23    | No Pass     | No Pass | No Pass | 2:32      | 12:34 A   | 4:28 A | 4:29 A      | 8:53 A |
| 11/17/18 | 8:24 A      | 9:12 A  | 0:48 | 9:44 A      | 11:08 A | 1:24    | 11:56 A     | 2:30 P  | 2:34    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:46      | 12:30 A   | 4:24 A | 4:25 A      | 8:49 A |

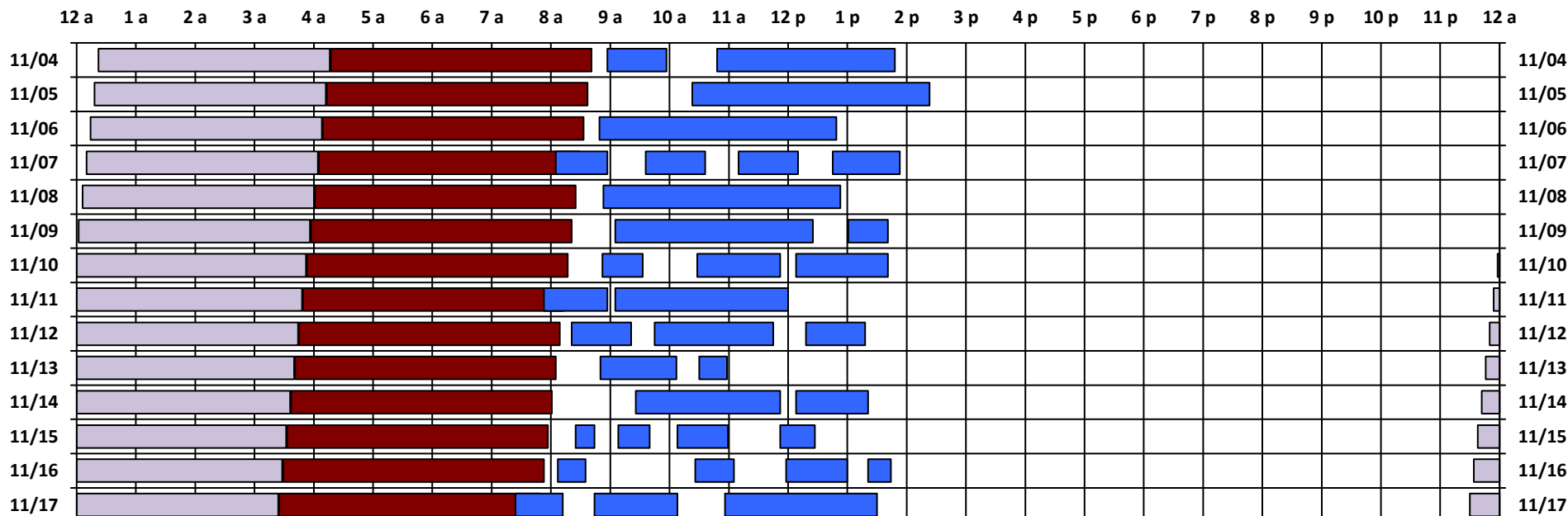
\* Pass continues from previous or into next day.

† An additional pass occurs on this day, not shown on the schedule. Refer to CEL text file for details.

You are viewing the satellite schedule in Pacific Time. Daylight saving time, when applicable, is included.

|        |
|--------|
| SPTR   |
| Skynet |
| DSCS   |

### South Pole Satellite Schedule



| Date     | SPTR Pass 1 |         |      | SPTR Pass 2 |         |         | SPTR Pass 3 |         |         | SPTR Pass 4 |         |         | SPTR Pass 5 |         |         | Total Dur | DSCS Pass |        | Skynet Pass |        |
|----------|-------------|---------|------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-----------|-----------|--------|-------------|--------|
|          | Start       | End     | Dur  | Start       | End     | Dur     | Start       | End     | Dur     | Start       | End     | Dur     | Start       | End     | Dur     |           | Start     | End    | Start       | End    |
| 11/04/18 | 8:57 A      | 9:57 A  | 1:00 | 10:48 A     | 1:48 P  | 3:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 12:22 A   | 4:16 A | 4:17 A      | 8:41 A |
| 11/05/18 | 10:23 A     | 2:23 P  | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 12:18 A   | 4:12 A | 4:13 A      | 8:37 A |
| 11/06/18 | 8:49 A      | 12:49 P | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 12:14 A   | 4:08 A | 4:09 A      | 8:33 A |
| 11/07/18 | 8:05 A      | 8:57 A  | 0:52 | 9:36 A      | 10:36 A | 1:00    | 11:10 A     | 12:10 P | 1:00    | 12:45 P     | 1:53 P  | 1:08    | No Pass     | No Pass | No Pass | 4:00      | 12:10 A   | 4:04 A | 4:05 A      | 8:29 A |
| 11/08/18 | 8:53 A      | 12:53 P | 4:00 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 12:06 A   | 4:00 A | 4:01 A      | 8:25 A |
| 11/09/18 | 9:05 A      | 12:25 P | 3:20 | 1:01 P      | 1:41 P  | 0:40    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 12:02 A   | 3:56 A | 3:57 A      | 8:21 A |
| 11/10/18 | 8:52 A      | 9:33 A  | 0:41 | 10:28 A     | 11:52 A | 1:24    | 12:08 P     | 1:41 P  | 1:33    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:38      | 11:58 P   | 3:52 A | 3:53 A      | 8:17 A |
| 11/11/18 | 7:53 A      | 8:57 A  | 1:04 | 9:05 A      | 12:00 P | 2:55    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:59      | 11:54 P   | 3:48 A | 3:49 A      | 8:13 A |
| 11/12/18 | 8:21 A      | 9:21 A  | 1:00 | 9:45 A      | 11:45 A | 2:00    | 12:18 P     | 1:18 P  | 1:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 11:50 P   | 3:44 A | 3:45 A      | 8:09 A |
| 11/13/18 | 8:50 A      | 10:07 A | 1:17 | 10:30 A     | 10:58 A | 0:28    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 1:45      | 11:46 P   | 3:40 A | 3:41 A      | 8:05 A |
| 11/14/18 | 9:26 A      | 11:52 A | 2:26 | 12:08 P     | 1:21 P  | 1:13    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:39      | 11:42 P   | 3:36 A | 3:37 A      | 8:01 A |
| 11/15/18 | 8:25 A      | 8:44 A  | 0:19 | 9:08 A      | 9:40 A  | 0:32    | 10:08 A     | 10:59 A | 0:51    | 11:52 A     | 12:27 P | 0:35    | No Pass     | No Pass | No Pass | 2:17      | 11:38 P   | 3:32 A | 3:33 A      | 7:57 A |
| 11/16/18 | 8:07 A      | 8:35 A  | 0:28 | 10:26 A     | 11:05 A | 0:39    | 11:58 A     | 1:00 P  | 1:02    | 1:21 P      | 1:44 P  | 0:23    | No Pass     | No Pass | No Pass | 2:32      | 11:34 P   | 3:28 A | 3:29 A      | 7:53 A |
| 11/17/18 | 7:24 A      | 8:12 A  | 0:48 | 8:44 A      | 10:08 A | 1:24    | 10:56 A     | 1:30 P  | 2:34    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:46      | 11:30 P   | 3:24 A | 3:25 A      | 7:49 A |

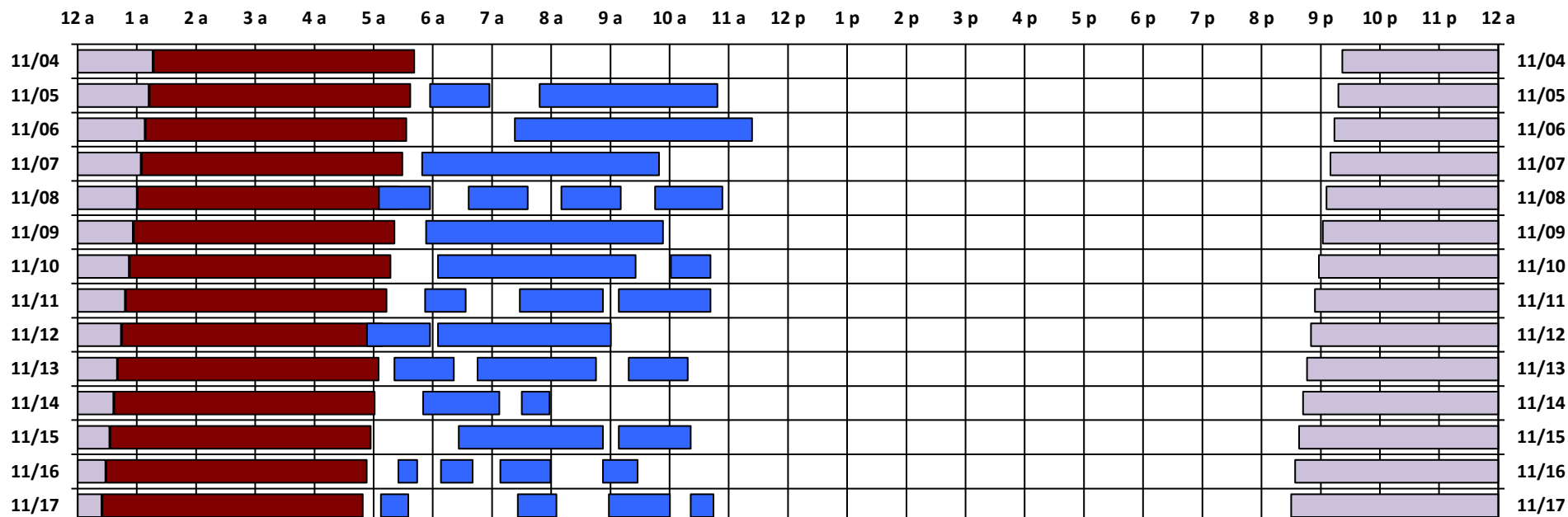
\* Pass continues from previous or into next day.

† An additional pass occurs on this day, not shown on the schedule. Refer to CEL text file for details.

You are viewing the satellite schedule in New Zealand Time. Daylight saving time, when applicable, is included.

|        |
|--------|
| SPTR   |
| Skynet |
| DSCS   |

### South Pole Satellite Schedule



| Date     | SPTR Pass 1 |         |         | SPTR Pass 2 |         |         | SPTR Pass 3 |         |         | SPTR Pass 4 |         |         | SPTR Pass 5 |         |         | Total Dur | DSCS Pass |         | Skynet Pass |        |
|----------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-----------|-----------|---------|-------------|--------|
|          | Start       | End     | Dur     | Start       | End     | Dur     | Start       | End     | Dur     | Start       | End     | Dur     | Start       | End     | Dur     |           | Start     | End     | Start       | End    |
| 11/04/18 | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 0:00      | 9:22 P    | 1:16 A  | 1:17 A      | 5:41 A |
| 11/05/18 | 5:57 A      | 6:57 A  | 1:00    | 7:48 A      | 10:48 A | 3:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 9:18 P    | 1:12 A  | 1:13 A      | 5:37 A |
| 11/06/18 | 7:23 A      | 11:23 A | 4:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 9:14 P    | 1:08 A  | 1:09 A      | 5:33 A |
| 11/07/18 | 5:49 A      | 9:49 A  | 4:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 9:10 P    | 1:04 A  | 1:05 A      | 5:29 A |
| 11/08/18 | 5:05 A      | 5:57 A  | 0:52    | 6:36 A      | 7:36 A  | 1:00    | 8:10 A      | 9:10 A  | 1:00    | 9:45 A      | 10:53 A | 1:08    | No Pass     | No Pass | No Pass | 4:00      | 9:06 P    | 1:00 A  | 1:01 A      | 5:25 A |
| 11/09/18 | 5:53 A      | 9:53 A  | 4:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 9:02 P    | 12:56 A | 12:57 A     | 5:21 A |
| 11/10/18 | 6:05 A      | 9:25 A  | 3:20    | 10:01 A     | 10:41 A | 0:40    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 8:58 P    | 12:52 A | 12:53 A     | 5:17 A |
| 11/11/18 | 5:52 A      | 6:33 A  | 0:41    | 7:28 A      | 8:52 A  | 1:24    | 9:08 A      | 10:41 A | 1:33    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:38      | 8:54 P    | 12:48 A | 12:49 A     | 5:13 A |
| 11/12/18 | 4:53 A      | 5:57 A  | 1:04    | 6:05 A      | 9:00 A  | 2:55    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:59      | 8:50 P    | 12:44 A | 12:45 A     | 5:09 A |
| 11/13/18 | 5:21 A      | 6:21 A  | 1:00    | 6:45 A      | 8:45 A  | 2:00    | 9:18 A      | 10:18 A | 1:00    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 4:00      | 8:46 P    | 12:40 A | 12:41 A     | 5:05 A |
| 11/14/18 | 5:50 A      | 7:07 A  | 1:17    | 7:30 A      | 7:58 A  | 0:28    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 1:45      | 8:42 P    | 12:36 A | 12:37 A     | 5:01 A |
| 11/15/18 | 6:26 A      | 8:52 A  | 2:26    | 9:08 A      | 10:21 A | 1:13    | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | No Pass     | No Pass | No Pass | 3:39      | 8:38 P    | 12:32 A | 12:33 A     | 4:57 A |
| 11/16/18 | 5:25 A      | 5:44 A  | 0:19    | 6:08 A      | 6:40 A  | 0:32    | 7:08 A      | 7:59 A  | 0:51    | 8:52 A      | 9:27 A  | 0:35    | No Pass     | No Pass | No Pass | 2:17      | 8:34 P    | 12:28 A | 12:29 A     | 4:53 A |
| 11/17/18 | 5:07 A      | 5:35 A  | 0:28    | 7:26 A      | 8:05 A  | 0:39    | 8:58 A      | 10:00 A | 1:02    | 10:21 A     | 10:44 A | 0:23    | No Pass     | No Pass | No Pass | 2:32      | 8:30 P    | 12:24 A | 12:25 A     | 4:49 A |

\* Pass continues from previous or into next day.

† An additional pass occurs on this day, not shown on the schedule. Refer to CEL text file for details.