

# Tjornes Watec All-Sky Images 20190326–20190327

|                  |     |                  |     |                  |     |                  |     |                  |     |                  |     |   |
|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|---|
| 21:44:01 UT<br>N | TJO | 21:45:01 UT<br>N | TJO | 21:46:01 UT<br>N | TJO | 21:47:01 UT<br>N | TJO | 21:48:02 UT<br>N | TJO | 21:49:02 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 21:50:02 UT<br>N | TJO | 21:51:02 UT<br>N | TJO | 21:52:02 UT<br>N | TJO | 21:53:02 UT<br>N | TJO | 21:54:02 UT<br>N | TJO | 21:55:02 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 21:56:02 UT<br>N | TJO | 21:57:02 UT<br>N | TJO | 21:58:02 UT<br>N | TJO | 21:59:02 UT<br>N | TJO | 22:00:02 UT<br>N | TJO | 22:01:02 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 22:02:02 UT<br>N | TJO | 22:03:02 UT<br>N | TJO | 22:04:02 UT<br>N | TJO | 22:05:02 UT<br>N | TJO | 22:06:02 UT<br>N | TJO | 22:07:02 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 22:08:02 UT<br>N | TJO | 22:09:02 UT<br>N | TJO | 22:10:02 UT<br>N | TJO | 22:11:02 UT<br>N | TJO | 22:12:02 UT<br>N | TJO | 22:13:02 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 22:14:02 UT<br>N | TJO | 22:15:02 UT<br>N | TJO | 22:16:02 UT<br>N | TJO | 22:17:02 UT<br>N | TJO | 22:18:02 UT<br>N | TJO | 22:19:03 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |



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|                  |     |                  |     |                  |     |                  |     |                  |     |                  |     |   |
|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|---|
| 22:56:04 UT<br>N | TJO | 22:57:04 UT<br>N | TJO | 22:58:04 UT<br>N | TJO | 22:59:04 UT<br>N | TJO | 23:00:04 UT<br>N | TJO | 23:01:04 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 23:02:04 UT<br>N | TJO | 23:03:04 UT<br>N | TJO | 23:04:04 UT<br>N | TJO | 23:05:04 UT<br>N | TJO | 23:06:04 UT<br>N | TJO | 23:07:04 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 23:08:04 UT<br>N | TJO | 23:09:04 UT<br>N | TJO | 23:10:04 UT<br>N | TJO | 23:11:04 UT<br>N | TJO | 23:12:04 UT<br>N | TJO | 23:13:04 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 23:14:04 UT<br>N | TJO | 23:15:04 UT<br>N | TJO | 23:16:04 UT<br>N | TJO | 23:17:04 UT<br>N | TJO | 23:18:04 UT<br>N | TJO | 23:19:04 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 23:20:04 UT<br>N | TJO | 23:21:04 UT<br>N | TJO | 23:22:04 UT<br>N | TJO | 23:23:04 UT<br>N | TJO | 23:24:04 UT<br>N | TJO | 23:25:04 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 23:26:04 UT<br>N | TJO | 23:27:05 UT<br>N | TJO | 23:28:05 UT<br>N | TJO | 23:29:05 UT<br>N | TJO | 23:30:05 UT<br>N | TJO | 23:31:05 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |















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|                  |     |                  |     |                  |     |                  |     |                  |     |                  |     |   |
|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|---|
| 03:08:11 UT<br>N | TJO | 03:09:11 UT<br>N | TJO | 03:10:11 UT<br>N | TJO | 03:11:11 UT<br>N | TJO | 03:12:11 UT<br>N | TJO | 03:13:11 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 03:14:11 UT<br>N | TJO | 03:15:11 UT<br>N | TJO | 03:16:11 UT<br>N | TJO | 03:17:11 UT<br>N | TJO | 03:18:11 UT<br>N | TJO | 03:19:11 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 03:20:11 UT<br>N | TJO | 03:21:11 UT<br>N | TJO | 03:22:11 UT<br>N | TJO | 03:23:11 UT<br>N | TJO | 03:24:11 UT<br>N | TJO | 03:25:11 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 03:26:11 UT<br>N | TJO | 03:27:11 UT<br>N | TJO | 03:28:11 UT<br>N | TJO | 03:29:11 UT<br>N | TJO | 03:30:11 UT<br>N | TJO | 03:31:12 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 03:32:12 UT<br>N | TJO | 03:33:12 UT<br>N | TJO | 03:34:12 UT<br>N | TJO | 03:35:12 UT<br>N | TJO | 03:36:12 UT<br>N | TJO | 03:37:12 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |
| 03:38:12 UT<br>N | TJO | 03:39:12 UT<br>N | TJO | 03:40:12 UT<br>N | TJO | 03:41:12 UT<br>N | TJO | 03:42:12 UT<br>N | TJO | 03:43:12 UT<br>N | TJO |   |
| E                | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | WE               | o   | W |
| S                |     | S                |     | S                |     | S                |     | S                |     | S                |     | S |



