

Tjornes Watec All-Sky Images 20221210–20221211

18:00:00 UT N	TJO	18:01:00 UT N	TJO	18:02:00 UT N	TJO	18:03:00 UT N	TJO	18:04:00 UT N	TJO	18:05:00 UT N	TJO	
E	◦	WE	◦	WE	◦	WE	◦	WE	◦	WE	◦	W
18:06:00 UT N	TJO	18:07:00 UT N	TJO	18:08:00 UT N	TJO	18:09:00 UT N	TJO	18:10:00 UT N	TJO	18:11:00 UT N	TJO	
E	◦	WE	◦	WE	◦	WE	◦	WE	◦	WE	◦	W
18:12:01 UT N	TJO	18:13:01 UT N	TJO	18:14:01 UT N	TJO	18:15:01 UT N	TJO	18:16:01 UT N	TJO	18:17:01 UT N	TJO	
E	◦	WE	◦	WE	◦	WE	◦	WE	◦	WE	◦	W
18:18:01 UT N	TJO	18:19:01 UT N	TJO	18:20:01 UT N	TJO	18:21:01 UT N	TJO	18:22:01 UT N	TJO	18:23:01 UT N	TJO	
E	◦	WE	◦	WE	◦	WE	◦	WE	◦	WE	◦	W
18:24:01 UT N	TJO	18:25:01 UT N	TJO	18:26:01 UT N	TJO	18:27:01 UT N	TJO	18:28:01 UT N	TJO	18:29:01 UT N	TJO	
E	◦	WE	◦	WE	◦	WE	◦	WE	◦	WE	◦	W
18:30:01 UT N	TJO	18:31:01 UT N	TJO	18:32:01 UT N	TJO	18:33:01 UT N	TJO	18:34:01 UT N	TJO	18:35:01 UT N	TJO	
E	◦	WE	◦	WE	◦	WE	◦	WE	◦	WE	◦	W
S		S		S		S		S		S		S

Tjornes Watec All-Sky Images 20221210–20221211

21:00:06 UT N	TJO	21:01:06 UT N	TJO	21:02:06 UT N	TJO	21:03:06 UT N	TJO	21:04:06 UT N	TJO	21:05:06 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:06:06 UT N	TJO	21:07:06 UT N	TJO	21:08:06 UT N	TJO	21:09:06 UT N	TJO	21:10:06 UT N	TJO	21:11:06 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:12:06 UT N	TJO	21:13:06 UT N	TJO	21:14:06 UT N	TJO	21:15:06 UT N	TJO	21:16:06 UT N	TJO	21:17:06 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:18:06 UT N	TJO	21:19:06 UT N	TJO	21:20:06 UT N	TJO	21:21:06 UT N	TJO	21:22:06 UT N	TJO	21:23:06 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:24:06 UT N	TJO	21:25:06 UT N	TJO	21:26:06 UT N	TJO	21:27:06 UT N	TJO	21:28:06 UT N	TJO	21:29:06 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:30:06 UT N	TJO	21:31:07 UT N	TJO	21:32:07 UT N	TJO	21:33:07 UT N	TJO	21:34:07 UT N	TJO	21:35:07 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S

Tjornes Watec All-Sky Images 20221210–20221211

21:36:07 UT N	TJO	21:37:07 UT N	TJO	21:38:07 UT N	TJO	21:39:07 UT N	TJO	21:40:07 UT N	TJO	21:41:07 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:42:07 UT N	TJO	21:43:07 UT N	TJO	21:44:07 UT N	TJO	21:45:07 UT N	TJO	21:46:07 UT N	TJO	21:47:07 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:48:07 UT N	TJO	21:49:07 UT N	TJO	21:50:07 UT N	TJO	21:51:07 UT N	TJO	21:52:07 UT N	TJO	21:53:07 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:54:07 UT N	TJO	21:55:07 UT N	TJO	21:56:07 UT N	TJO	21:57:07 UT N	TJO	21:58:07 UT N	TJO	21:59:07 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
22:00:07 UT N	TJO	22:01:07 UT N	TJO	22:02:07 UT N	TJO	22:03:08 UT N	TJO	22:04:08 UT N	TJO	22:05:08 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
22:06:08 UT N	TJO	22:07:08 UT N	TJO	22:08:08 UT N	TJO	22:09:08 UT N	TJO	22:10:08 UT N	TJO	22:11:08 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S

Tjornes Watec All-Sky Images 20221210–20221211

23:24:10 UT N	TJO	23:25:10 UT N	TJO	23:26:10 UT N	TJO	23:27:10 UT N	TJO	23:28:10 UT N	TJO	23:29:10 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
23:30:10 UT N	TJO	23:31:10 UT N	TJO	23:32:10 UT N	TJO	23:33:10 UT N	TJO	23:34:10 UT N	TJO	23:35:10 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
23:36:10 UT N	TJO	23:37:10 UT N	TJO	23:38:10 UT N	TJO	23:39:10 UT N	TJO	23:40:10 UT N	TJO	23:41:10 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
23:42:10 UT N	TJO	23:43:11 UT N	TJO	23:44:11 UT N	TJO	23:45:11 UT N	TJO	23:46:11 UT N	TJO	23:47:11 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
23:48:11 UT N	TJO	23:49:11 UT N	TJO	23:50:11 UT N	TJO	23:51:11 UT N	TJO	23:52:11 UT N	TJO	23:53:11 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
23:54:11 UT N	TJO	23:55:11 UT N	TJO	23:56:11 UT N	TJO	23:57:11 UT N	TJO	23:58:11 UT N	TJO	23:59:11 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S

Tjornes Watec All-Sky Images 20221210–20221211

00:00:11 UT N	TJO	00:01:11 UT N	TJO	00:02:11 UT N	TJO	00:03:11 UT N	TJO	00:04:11 UT N	TJO	00:05:11 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:06:11 UT S N	TJO	00:07:11 UT S N	TJO	00:08:11 UT S N	TJO	00:09:11 UT S N	TJO	00:10:11 UT S N	TJO	00:11:11 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:12:11 UT S N	TJO	00:13:11 UT S N	TJO	00:14:11 UT S N	TJO	00:15:12 UT S N	TJO	00:16:12 UT S N	TJO	00:17:12 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:18:12 UT S N	TJO	00:19:12 UT S N	TJO	00:20:12 UT S N	TJO	00:21:12 UT S N	TJO	00:22:12 UT S N	TJO	00:23:12 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:24:12 UT S N	TJO	00:25:12 UT S N	TJO	00:26:12 UT S N	TJO	00:27:12 UT S N	TJO	00:28:12 UT S N	TJO	00:29:12 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:30:12 UT S N	TJO	00:31:12 UT S N	TJO	00:32:12 UT S N	TJO	00:33:12 UT S N	TJO	00:34:12 UT S N	TJO	00:35:12 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S

Tjornes Watec All-Sky Images 20221210–20221211

02:24:15 UT N	TJO	02:25:15 UT N	TJO	02:26:15 UT N	TJO	02:27:15 UT N	TJO	02:28:15 UT N	TJO	02:29:15 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
02:30:16 UT N	TJO	02:31:16 UT N	TJO	02:32:16 UT N	TJO	02:33:16 UT N	TJO	02:34:16 UT N	TJO	02:35:16 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
02:36:16 UT N	TJO	02:37:16 UT N	TJO	02:38:16 UT N	TJO	02:39:16 UT N	TJO	02:40:16 UT N	TJO	02:41:16 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
02:42:16 UT N	TJO	02:43:16 UT N	TJO	02:44:16 UT N	TJO	02:45:16 UT N	TJO	02:46:16 UT N	TJO	02:47:16 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
02:48:16 UT N	TJO	02:49:16 UT N	TJO	02:50:16 UT N	TJO	02:51:16 UT N	TJO	02:52:16 UT N	TJO	02:53:16 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
02:54:16 UT N	TJO	02:55:16 UT N	TJO	02:56:16 UT N	TJO	02:57:16 UT N	TJO	02:58:16 UT N	TJO	02:59:16 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S

Tjornes Watec All-Sky Images 20221210–20221211

03:00:16 UT N	TJO	03:01:16 UT N	TJO	03:02:16 UT N	TJO	03:03:16 UT N	TJO	03:04:16 UT N	TJO	03:05:16 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
	S		S		S		S		S		S	
03:06:17 UT N	TJO	03:07:17 UT N	TJO	03:08:17 UT N	TJO	03:09:17 UT N	TJO	03:10:17 UT N	TJO	03:11:17 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
	S		S		S		S		S		S	
03:12:17 UT N	TJO	03:13:17 UT N	TJO	03:14:17 UT N	TJO	03:15:17 UT N	TJO	03:16:17 UT N	TJO	03:17:17 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
	S		S		S		S		S		S	
03:18:17 UT N	TJO	03:19:17 UT N	TJO	03:20:17 UT N	TJO	03:21:17 UT N	TJO	03:22:17 UT N	TJO	03:23:17 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
	S		S		S		S		S		S	
03:24:17 UT N	TJO	03:25:17 UT N	TJO	03:26:17 UT N	TJO	03:27:17 UT N	TJO	03:28:17 UT N	TJO	03:29:17 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
	S		S		S		S		S		S	
03:30:17 UT N	TJO	03:31:17 UT N	TJO	03:32:17 UT N	TJO	03:33:17 UT N	TJO	03:34:17 UT N	TJO	03:35:17 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
	S		S		S		S		S		S	

Tjornes Watec All-Sky Images 20221210–20221211

07:12:24 UT N	TJO	07:13:24 UT N	TJO	07:14:24 UT N	TJO	07:15:24 UT N	TJO	07:16:24 UT N	TJO	07:17:24 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
07:18:24 UT S N	TJO	07:19:24 UT S N	TJO	07:20:24 UT S N	TJO	07:21:24 UT S N	TJO	07:22:24 UT S N	TJO	07:23:24 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
07:24:24 UT S N	TJO	07:25:24 UT S N	TJO	07:26:24 UT S N	TJO	07:27:24 UT S N	TJO	07:28:24 UT S N	TJO	07:29:24 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
07:30:24 UT S N	TJO	07:31:24 UT S N	TJO	07:32:24 UT S N	TJO	07:33:24 UT S N	TJO	07:34:24 UT S N	TJO	07:35:24 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
07:36:24 UT S N	TJO	07:37:24 UT S N	TJO	07:38:24 UT S N	TJO	07:39:24 UT S N	TJO	07:40:24 UT S N	TJO	07:41:25 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
07:42:25 UT S N	TJO	07:43:25 UT S N	TJO	07:44:25 UT S N	TJO	07:45:25 UT S N	TJO	07:46:25 UT S N	TJO	07:47:25 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S

