

Tjornes Watec All-Sky Images 20221104–20221105

18:30:09 UT N	TJO	18:31:09 UT N	TJO	18:32:09 UT N	TJO	18:33:09 UT N	TJO	18:34:09 UT N	TJO	18:35:09 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
18:36:09 UT N	TJO	18:37:09 UT N	TJO	18:38:09 UT N	TJO	18:39:10 UT N	TJO	18:40:10 UT N	TJO	18:41:10 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
18:42:10 UT N	TJO	18:43:10 UT N	TJO	18:44:10 UT N	TJO	18:45:10 UT N	TJO	18:46:10 UT N	TJO	18:47:10 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
18:48:10 UT N	TJO	18:49:10 UT N	TJO	18:50:10 UT N	TJO	18:51:10 UT N	TJO	18:52:10 UT N	TJO	18:53:10 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
18:54:10 UT N	TJO	18:55:10 UT N	TJO	18:56:10 UT N	TJO	18:57:10 UT N	TJO	18:58:10 UT N	TJO	18:59:10 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:00:10 UT N	TJO	19:01:10 UT N	TJO	19:02:10 UT N	TJO	19:03:10 UT N	TJO	19:04:10 UT N	TJO	19:05:10 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 20221104–20221105

19:06:10 UT N	TJO	19:07:10 UT N	TJO	19:08:10 UT N	TJO	19:09:10 UT N	TJO	19:10:10 UT N	TJO	19:11:10 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:12:10 UT N	TJO	19:13:10 UT N	TJO	19:14:10 UT N	TJO	19:15:11 UT N	TJO	19:16:11 UT N	TJO	19:17:11 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:18:11 UT N	TJO	19:19:11 UT N	TJO	19:20:11 UT N	TJO	19:21:11 UT N	TJO	19:22:11 UT N	TJO	19:23:11 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:24:11 UT N	TJO	19:25:11 UT N	TJO	19:26:11 UT N	TJO	19:27:11 UT N	TJO	19:28:11 UT N	TJO	19:29:11 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:30:11 UT N	TJO	19:31:11 UT N	TJO	19:32:11 UT N	TJO	19:33:11 UT N	TJO	19:34:11 UT N	TJO	19:35:11 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:36:11 UT N	TJO	19:37:11 UT N	TJO	19:38:11 UT N	TJO	19:39:11 UT N	TJO	19:40:11 UT N	TJO	19:41:11 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 20221104–20221105

20:18:12 UT N	TJO	20:19:12 UT N	TJO	20:20:13 UT N	TJO	20:21:13 UT N	TJO	20:22:13 UT N	TJO	20:23:13 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
20:24:13 UT S N	TJO	20:25:13 UT S N	TJO	20:26:13 UT S N	TJO	20:27:13 UT S N	TJO	20:28:13 UT S N	TJO	20:29:13 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
20:30:13 UT S N	TJO	20:31:13 UT S N	TJO	20:32:13 UT S N	TJO	20:33:13 UT S N	TJO	20:34:13 UT S N	TJO	20:35:13 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
20:36:13 UT S N	TJO	20:37:13 UT S N	TJO	20:38:13 UT S N	TJO	20:39:13 UT S N	TJO	20:40:13 UT S N	TJO	20:41:13 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
20:42:13 UT S N	TJO	20:43:13 UT S N	TJO	20:44:13 UT S N	TJO	20:45:13 UT S N	TJO	20:46:13 UT S N	TJO	20:47:13 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
20:48:13 UT S N	TJO	20:49:13 UT S N	TJO	20:50:13 UT S N	TJO	20:51:13 UT S N	TJO	20:52:13 UT S N	TJO	20:53:13 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 20221104–20221105

20:54:13 UT N	TJO	20:55:14 UT N	TJO	20:56:14 UT N	TJO	20:57:14 UT N	TJO	20:58:14 UT N	TJO	20:59:14 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:00:14 UT N	TJO	21:01:14 UT N	TJO	21:02:14 UT N	TJO	21:03:14 UT N	TJO	21:04:14 UT N	TJO	21:05:14 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:06:14 UT N	TJO	21:07:14 UT N	TJO	21:08:14 UT N	TJO	21:09:14 UT N	TJO	21:10:14 UT N	TJO	21:11:14 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:12:14 UT N	TJO	21:13:14 UT N	TJO	21:14:14 UT N	TJO	21:15:14 UT N	TJO	21:16:14 UT N	TJO	21:17:14 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:18:14 UT N	TJO	21:19:14 UT N	TJO	21:20:14 UT N	TJO	21:21:14 UT N	TJO	21:22:14 UT N	TJO	21:23:14 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:24:14 UT N	TJO	21:25:14 UT N	TJO	21:26:15 UT N	TJO	21:27:15 UT N	TJO	21:28:15 UT N	TJO	21:29:15 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 20221104–20221105

21:30:15 UT N	TJO	21:31:15 UT N	TJO	21:32:15 UT N	TJO	21:33:15 UT N	TJO	21:34:15 UT N	TJO	21:35:15 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
21:36:15 UT N	TJO	21:37:15 UT N	TJO	21:38:15 UT N	TJO	21:39:15 UT N	TJO	21:40:15 UT N	TJO	21:41:15 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
21:42:15 UT N	TJO	21:43:15 UT N	TJO	21:44:15 UT N	TJO	21:45:15 UT N	TJO	21:46:15 UT N	TJO	21:47:15 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
21:48:15 UT N	TJO	21:49:15 UT N	TJO	21:50:15 UT N	TJO	21:51:15 UT N	TJO	21:52:15 UT N	TJO	21:53:15 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
21:54:15 UT N	TJO	21:55:15 UT N	TJO	21:56:15 UT N	TJO	21:57:15 UT N	TJO	21:58:15 UT N	TJO	21:59:15 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:00:16 UT N	TJO	22:01:16 UT N	TJO	22:02:16 UT N	TJO	22:03:16 UT N	TJO	22:04:16 UT N	TJO	22:05:16 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 20221104–20221105

22:06:16 UT N	TJO	22:07:16 UT N	TJO	22:08:16 UT N	TJO	22:09:16 UT N	TJO	22:10:16 UT N	TJO	22:11:16 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:12:16 UT N	TJO	22:13:16 UT N	TJO	22:14:16 UT N	TJO	22:15:16 UT N	TJO	22:16:16 UT N	TJO	22:17:16 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:18:16 UT N	TJO	22:19:16 UT N	TJO	22:20:16 UT N	TJO	22:21:16 UT N	TJO	22:22:16 UT N	TJO	22:23:16 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:24:16 UT N	TJO	22:25:16 UT N	TJO	22:26:16 UT N	TJO	22:27:16 UT N	TJO	22:28:16 UT N	TJO	22:29:16 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:30:16 UT N	TJO	22:31:16 UT N	TJO	22:32:16 UT N	TJO	22:33:16 UT N	TJO	22:34:17 UT N	TJO	22:35:17 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:36:17 UT N	TJO	22:37:17 UT N	TJO	22:38:17 UT N	TJO	22:39:17 UT N	TJO	22:40:17 UT N	TJO	22:41:17 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 20221104–20221105

23:18:18 UT N	TJO	23:19:18 UT N	TJO	23:20:18 UT N	TJO	23:21:18 UT N	TJO	23:22:18 UT N	TJO	23:23:18 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:24:18 UT N	TJO	23:25:18 UT N	TJO	23:26:18 UT N	TJO	23:27:18 UT N	TJO	23:28:18 UT N	TJO	23:29:18 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:30:18 UT N	TJO	23:31:18 UT N	TJO	23:32:18 UT N	TJO	23:33:18 UT N	TJO	23:34:18 UT N	TJO	23:35:18 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:36:18 UT N	TJO	23:37:18 UT N	TJO	23:38:18 UT N	TJO	23:39:18 UT N	TJO	23:40:18 UT N	TJO	23:41:18 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:42:18 UT N	TJO	23:43:19 UT N	TJO	23:44:19 UT N	TJO	23:45:19 UT N	TJO	23:46:19 UT N	TJO	23:47:19 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:48:19 UT N	TJO	23:49:19 UT N	TJO	23:50:19 UT N	TJO	23:51:19 UT N	TJO	23:52:19 UT N	TJO	23:53:19 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 20221104–20221105

23:54:19 UT N	TJO	23:55:19 UT N	TJO	23:56:19 UT N	TJO	23:57:19 UT N	TJO	23:58:19 UT N	TJO	23:59:19 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
00:00:19 UT N	TJO	00:01:19 UT N	TJO	00:02:19 UT N	TJO	00:03:19 UT N	TJO	00:04:19 UT N	TJO	00:05:19 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
00:06:19 UT N	TJO	00:07:19 UT N	TJO	00:08:19 UT N	TJO	00:09:19 UT N	TJO	00:10:19 UT N	TJO	00:11:19 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
00:12:19 UT N	TJO	00:13:19 UT N	TJO	00:14:19 UT N	TJO	00:15:20 UT N	TJO	00:16:20 UT N	TJO	00:17:20 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
00:18:20 UT N	TJO	00:19:20 UT N	TJO	00:20:20 UT N	TJO	00:21:20 UT N	TJO	00:22:20 UT N	TJO	00:23:20 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
00:24:20 UT N	TJO	00:25:20 UT N	TJO	00:26:20 UT N	TJO	00:27:20 UT N	TJO	00:28:20 UT N	TJO	00:29:20 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 20221104–20221105

02:54:24 UT N	TJO	02:55:24 UT N	TJO	02:56:24 UT N	TJO	02:57:24 UT N	TJO	02:58:24 UT N	TJO	02:59:24 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
03:00:24 UT N	TJO	03:01:24 UT N	TJO	03:02:24 UT N	TJO	03:03:24 UT N	TJO	03:04:24 UT N	TJO	03:05:24 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
03:06:24 UT N	TJO	03:07:24 UT N	TJO	03:08:24 UT N	TJO	03:09:25 UT N	TJO	03:10:25 UT N	TJO	03:11:25 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
03:12:25 UT N	TJO	03:13:25 UT N	TJO	03:14:25 UT N	TJO	03:15:25 UT N	TJO	03:16:25 UT N	TJO	03:17:25 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
03:18:25 UT N	TJO	03:19:25 UT N	TJO	03:20:25 UT N	TJO	03:21:25 UT N	TJO	03:22:25 UT N	TJO	03:23:25 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
03:24:25 UT N	TJO	03:25:25 UT N	TJO	03:26:25 UT N	TJO	03:27:25 UT N	TJO	03:28:25 UT N	TJO	03:29:25 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 20221104–20221105

04:42:27 UT N	TJO	04:43:27 UT N	TJO	04:44:27 UT N	TJO	04:45:27 UT N	TJO	04:46:27 UT N	TJO	04:47:27 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
04:48:27 UT N	TJO	04:49:27 UT N	TJO	04:50:27 UT N	TJO	04:51:28 UT N	TJO	04:52:28 UT N	TJO	04:53:28 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
04:54:28 UT N	TJO	04:55:28 UT N	TJO	04:56:28 UT N	TJO	04:57:28 UT N	TJO	04:58:28 UT N	TJO	04:59:28 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:00:28 UT N	TJO	05:01:28 UT N	TJO	05:02:28 UT N	TJO	05:03:28 UT N	TJO	05:04:28 UT N	TJO	05:05:28 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:06:28 UT N	TJO	05:07:28 UT N	TJO	05:08:28 UT N	TJO	05:09:28 UT N	TJO	05:10:28 UT N	TJO	05:11:28 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:12:28 UT N	TJO	05:13:28 UT N	TJO	05:14:28 UT N	TJO	05:15:28 UT N	TJO	05:16:28 UT N	TJO	05:17:28 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 20221104–20221105

05:18:28 UT N	TJO	05:19:28 UT N	TJO	05:20:28 UT N	TJO	05:21:28 UT N	TJO	05:22:28 UT N	TJO	05:23:29 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:24:29 UT N	TJO	05:25:29 UT N	TJO	05:26:29 UT N	TJO	05:27:29 UT N	TJO	05:28:29 UT N	TJO	05:29:29 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:30:29 UT N	TJO	05:31:29 UT N	TJO	05:32:29 UT N	TJO	05:33:29 UT N	TJO	05:34:29 UT N	TJO	05:35:29 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:36:29 UT N	TJO	05:37:29 UT N	TJO	05:38:29 UT N	TJO	05:39:29 UT N	TJO	05:40:29 UT N	TJO	05:41:29 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:42:29 UT N	TJO	05:43:29 UT N	TJO	05:44:29 UT N	TJO	05:45:29 UT N	TJO	05:46:29 UT N	TJO	05:47:29 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:48:29 UT N	TJO	05:49:29 UT N	TJO	05:50:29 UT N	TJO	05:51:29 UT N	TJO	05:52:29 UT N	TJO	05:53:29 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 20221104–20221105

05:54:29 UT N	TJO	05:55:29 UT N	TJO	05:56:29 UT N	TJO	05:57:29 UT N	TJO	05:58:29 UT N	TJO	05:59:29 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
06:00:29 UT N	TJO	06:01:30 UT N	TJO	06:02:30 UT N	TJO	06:03:30 UT N	TJO	06:04:30 UT N	TJO	06:05:30 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
06:06:30 UT N	TJO	06:07:30 UT N	TJO	06:08:30 UT N	TJO	06:09:30 UT N	TJO	06:10:30 UT N	TJO	06:11:30 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
06:12:30 UT N	TJO	06:13:30 UT N	TJO	06:14:30 UT N	TJO	06:15:30 UT N	TJO	06:16:30 UT N	TJO	06:17:30 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
06:18:30 UT N	TJO	06:19:30 UT N	TJO	06:20:30 UT N	TJO	06:21:30 UT N	TJO	06:22:30 UT N	TJO	06:23:30 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
06:24:30 UT N	TJO	06:25:30 UT N	TJO	06:26:30 UT N	TJO	06:27:30 UT N	TJO	06:28:30 UT N	TJO	06:29:30 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 20221104–20221105

06:30:30 UT N	TJO	06:31:30 UT N	TJO	06:32:30 UT N	TJO	06:33:31 UT N	TJO	06:34:31 UT N	TJO	06:35:31 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
06:36:31 UT N	TJO	06:37:31 UT N	TJO	06:38:31 UT N	TJO	06:39:31 UT N	TJO	06:40:31 UT N	TJO	06:41:31 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
06:42:31 UT N	TJO	06:43:31 UT N	TJO	06:44:31 UT N	TJO	06:45:31 UT N	TJO	06:46:31 UT N	TJO	06:47:31 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
06:48:31 UT N	TJO	06:49:31 UT N	TJO	06:50:31 UT N	TJO	06:51:31 UT N	TJO	06:52:31 UT N	TJO	06:53:31 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
06:54:31 UT N	TJO	06:55:31 UT N	TJO	06:56:31 UT N	TJO	06:57:31 UT N	TJO	06:58:31 UT N	TJO	06:59:31 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
07:00:31 UT N	TJO	07:01:31 UT N	TJO	07:02:31 UT N	TJO	07:03:31 UT N	TJO	07:04:31 UT N	TJO	07:05:31 UT 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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