

Tjornes Watec All-Sky Images 20221202–20221203

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	o	WE	o	WE	o	WE	o	WE	o	WE	o	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	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
18:12:00 UT N	TJO	18:13:00 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	o	WE	o	WE	o	WE	o	WE	o	WE	o	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	o	WE	o	WE	o	WE	o	WE	o	WE	o	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	o	WE	o	WE	o	WE	o	WE	o	WE	o	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	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S

Tjornes Watec All-Sky Images 20221202–20221203

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
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
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
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
21:24:06 UT N	TJO	21:25:07 UT N	TJO	21:26:07 UT N	TJO	21:27:07 UT N	TJO	21:28:07 UT N	TJO	21:29:07 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
21:30:07 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 20221202–20221203

22:48:09 UT N	TJO	22:49:09 UT N	TJO	22:50:09 UT N	TJO	22:51:09 UT N	TJO	22:52:09 UT N	TJO	22:53:09 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:54:09 UT N	TJO	22:55:09 UT N	TJO	22:56:09 UT N	TJO	22:57:09 UT N	TJO	22:58:09 UT N	TJO	22:59:09 UT N	TJO	
S		S		S		S		S		S		
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:00:09 UT N	TJO	23:01:09 UT N	TJO	23:02:09 UT N	TJO	23:03:09 UT N	TJO	23:04:09 UT N	TJO	23:05:09 UT N	TJO	
S		S		S		S		S		S		
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:06:09 UT N	TJO	23:07:09 UT N	TJO	23:08:09 UT N	TJO	23:09:10 UT N	TJO	23:10:10 UT N	TJO	23:11:10 UT N	TJO	
S		S		S		S		S		S		
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:12:10 UT N	TJO	23:13:10 UT N	TJO	23:14:10 UT N	TJO	23:15:10 UT N	TJO	23:16:10 UT N	TJO	23:17:10 UT N	TJO	
S		S		S		S		S		S		
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:18:10 UT N	TJO	23:19:10 UT N	TJO	23:20:10 UT N	TJO	23:21:10 UT N	TJO	23:22:10 UT N	TJO	23:23:10 UT N	TJO	
S		S		S		S		S		S		
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		

Tjornes Watec All-Sky Images 20221202–20221203

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	23:43:10 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 20221202–20221203

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	00:15:11 UT S N	TJO	00:16:11 UT S N	TJO	00:17:11 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:18:11 UT S N	TJO	00:19:11 UT S N	TJO	00:20:11 UT S N	TJO	00:21:11 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 20221202–20221203

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
S		S		S		S		S		S		S
02:30:15 UT N	TJO	02:31:15 UT N	TJO	02:32:15 UT N	TJO	02:33:15 UT N	TJO	02:34:15 UT N	TJO	02:35:15 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
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
S		S		S		S		S		S		S
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
S		S		S		S		S		S		S
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
S		S		S		S		S		S		S
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 20221202–20221203

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 20221202–20221203

04:12:19 UT N	TJO	04:13:19 UT N	TJO	04:14:19 UT N	TJO	04:15:19 UT N	TJO	04:16:19 UT N	TJO	04:17:19 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
04:18:19 UT N	TJO	04:19:19 UT N	TJO	04:20:19 UT N	TJO	04:21:19 UT N	TJO	04:22:19 UT N	TJO	04:23:19 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
04:24:19 UT N	TJO	04:25:19 UT N	TJO	04:26:19 UT N	TJO	04:27:19 UT N	TJO	04:28:19 UT N	TJO	04:29:19 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
04:30:19 UT N	TJO	04:31:19 UT N	TJO	04:32:19 UT N	TJO	04:33:19 UT N	TJO	04:34:19 UT N	TJO	04:35:19 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
04:36:19 UT N	TJO	04:37:19 UT N	TJO	04:38:19 UT N	TJO	04:39:19 UT N	TJO	04:40:19 UT N	TJO	04:41:19 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
04:42:19 UT N	TJO	04:43:19 UT N	TJO	04:44:19 UT N	TJO	04:45:19 UT N	TJO	04:46:19 UT N	TJO	04:47:19 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 20221202–20221203

04:48:19 UT N	TJO	04:49:20 UT N	TJO	04:50:20 UT N	TJO	04:51:20 UT N	TJO	04:52:20 UT N	TJO	04:53:20 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
04:54:20 UT N	TJO	04:55:20 UT N	TJO	04:56:20 UT N	TJO	04:57:20 UT N	TJO	04:58:20 UT N	TJO	04:59:20 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:00:20 UT N	TJO	05:01:20 UT N	TJO	05:02:20 UT N	TJO	05:03:20 UT N	TJO	05:04:20 UT N	TJO	05:05:20 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:06:20 UT N	TJO	05:07:20 UT N	TJO	05:08:20 UT N	TJO	05:09:20 UT N	TJO	05:10:20 UT N	TJO	05:11:20 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:12:20 UT N	TJO	05:13:20 UT N	TJO	05:14:20 UT N	TJO	05:15:20 UT N	TJO	05:16:20 UT N	TJO	05:17:20 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:18:20 UT N	TJO	05:19:20 UT N	TJO	05:20:20 UT N	TJO	05:21:20 UT N	TJO	05:22:20 UT N	TJO	05:23:21 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 20221202–20221203

