

Tjornes Watec All-Sky Images 20221203–20221204

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
S		S		S		S		S		S		S
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
S		S		S		S		S		S		S
18:12:00 UT N	TJO	18:13:00 UT N	TJO	18:14:00 UT N	TJO	18:15:00 UT N	TJO	18:16:00 UT N	TJO	18:17:00 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
18:18:00 UT N	TJO	18:19:00 UT N	TJO	18:20:00 UT N	TJO	18:21:00 UT N	TJO	18:22:00 UT N	TJO	18:23:00 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
18:24:00 UT N	TJO	18:25:00 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
S		S		S		S		S		S		S
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 20221203–20221204

21:00:05 UT N	TJO	21:01:05 UT N	TJO	21:02:05 UT N	TJO	21:03:05 UT N	TJO	21:04:05 UT N	TJO	21:05:05 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:06:05 UT N	TJO	21:07:05 UT N	TJO	21:08:05 UT N	TJO	21:09:05 UT N	TJO	21:10:05 UT N	TJO	21:11:05 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	21:31:06 UT N	TJO	21:32:06 UT N	TJO	21:33:06 UT N	TJO	21:34:06 UT N	TJO	21:35:06 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 20221203–20221204

22:12:07 UT N	TJO	22:13:07 UT N	TJO	22:14:07 UT N	TJO	22:15:07 UT N	TJO	22:16:07 UT N	TJO	22:17:07 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:18:07 UT N	TJO	22:19:07 UT N	TJO	22:20:07 UT N	TJO	22:21:08 UT N	TJO	22:22:08 UT N	TJO	22:23:08 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:24:08 UT N	TJO	22:25:08 UT N	TJO	22:26:08 UT N	TJO	22:27:08 UT N	TJO	22:28:08 UT N	TJO	22:29:08 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:30:08 UT N	TJO	22:31:08 UT N	TJO	22:32:08 UT N	TJO	22:33:08 UT N	TJO	22:34:08 UT N	TJO	22:35:08 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:36:08 UT N	TJO	22:37:08 UT N	TJO	22:38:08 UT N	TJO	22:39:08 UT N	TJO	22:40:08 UT N	TJO	22:41:08 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:42:08 UT N	TJO	22:43:08 UT N	TJO	22:44:08 UT N	TJO	22:45:08 UT N	TJO	22:46:08 UT N	TJO	22:47:08 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 20221203–20221204

23:24:09 UT N	TJO	23:25:09 UT N	TJO	23:26:09 UT N	TJO	23:27:09 UT N	TJO	23:28:09 UT N	TJO	23:29:09 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
23:30:09 UT N	TJO	23:31:09 UT N	TJO	23:32:09 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	23:44:10 UT N	TJO	23:45:10 UT N	TJO	23:46:10 UT N	TJO	23:47:10 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
23:48:10 UT N	TJO	23:49:10 UT N	TJO	23:50:10 UT N	TJO	23:51:10 UT N	TJO	23:52:10 UT N	TJO	23:53:10 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
23:54:10 UT N	TJO	23:55:10 UT N	TJO	23:56:10 UT N	TJO	23:57:10 UT N	TJO	23:58:10 UT N	TJO	23:59:10 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S

Tjornes Watec All-Sky Images 20221203–20221204

00:00:10 UT N	TJO	00:01:10 UT N	TJO	00:02:10 UT N	TJO	00:03:10 UT N	TJO	00:04:10 UT N	TJO	00:05:10 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:06:10 UT S N	TJO	00:07:10 UT S N	TJO	00:08:10 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	00:22:11 UT S N	TJO	00:23:11 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:24:11 UT S N	TJO	00:25:11 UT S N	TJO	00:26:11 UT S N	TJO	00:27:11 UT S N	TJO	00:28:11 UT S N	TJO	00:29:11 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:30:11 UT S N	TJO	00:31:11 UT S N	TJO	00:32:11 UT S N	TJO	00:33:11 UT S N	TJO	00:34:11 UT S N	TJO	00:35:11 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 20221203–20221204

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
02:36:15 UT N	TJO	02:37:15 UT N	TJO	02:38:15 UT N	TJO	02:39:15 UT N	TJO	02:40:15 UT N	TJO	02:41:15 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
02:42:15 UT N	TJO	02:43:15 UT N	TJO	02:44:15 UT N	TJO	02:45:15 UT N	TJO	02:46:15 UT N	TJO	02:47:15 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
02:48:15 UT N	TJO	02:49:15 UT N	TJO	02:50:15 UT N	TJO	02:51:15 UT N	TJO	02:52:15 UT N	TJO	02:53:15 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
02:54:15 UT N	TJO	02:55:15 UT N	TJO	02:56:15 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 20221203–20221204

03:36:17 UT N	TJO	03:37:17 UT N	TJO	03:38:17 UT N	TJO	03:39:17 UT N	TJO	03:40:17 UT N	TJO	03:41:17 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
03:42:17 UT N	TJO	03:43:17 UT N	TJO	03:44:17 UT N	TJO	03:45:17 UT N	TJO	03:46:17 UT N	TJO	03:47:17 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
03:48:17 UT N	TJO	03:49:17 UT N	TJO	03:50:17 UT N	TJO	03:51:17 UT N	TJO	03:52:17 UT N	TJO	03:53:17 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
03:54:17 UT N	TJO	03:55:17 UT N	TJO	03:56:17 UT N	TJO	03:57:17 UT N	TJO	03:58:17 UT N	TJO	03:59:17 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
04:00:17 UT N	TJO	04:01:17 UT N	TJO	04:02:17 UT N	TJO	04:03:17 UT N	TJO	04:04:17 UT N	TJO	04:05:17 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
04:06:17 UT N	TJO	04:07:17 UT N	TJO	04:08:18 UT N	TJO	04:09:18 UT N	TJO	04:10:18 UT N	TJO	04:11:18 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 20221203–20221204

05:24:20 UT N	TJO	05:25:20 UT N	TJO	05:26:20 UT N	TJO	05:27:20 UT N	TJO	05:28:20 UT N	TJO	05:29:20 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:30:20 UT N	TJO	05:31:20 UT N	TJO	05:32:20 UT N	TJO	05:33:20 UT N	TJO	05:34:20 UT N	TJO	05:35:20 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:36:20 UT N	TJO	05:37:20 UT N	TJO	05:38:20 UT N	TJO	05:39:20 UT N	TJO	05:40:20 UT N	TJO	05:41:20 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:42:20 UT N	TJO	05:43:20 UT N	TJO	05:44:20 UT N	TJO	05:45:20 UT N	TJO	05:46:21 UT N	TJO	05:47:21 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:48:21 UT N	TJO	05:49:21 UT N	TJO	05:50:21 UT N	TJO	05:51:21 UT N	TJO	05:52:21 UT N	TJO	05:53:21 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:54:21 UT N	TJO	05:55:21 UT N	TJO	05:56:21 UT N	TJO	05:57:21 UT N	TJO	05:58:21 UT N	TJO	05:59:21 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 20221203–20221204

06:36:22 UT N	TJO	06:37:22 UT N	TJO	06:38:22 UT N	TJO	06:39:22 UT N	TJO	06:40:22 UT N	TJO	06:41:22 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
06:42:22 UT N	TJO	06:43:22 UT N	TJO	06:44:22 UT N	TJO	06:45:22 UT N	TJO	06:46:22 UT N	TJO	06:47:22 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
06:48:22 UT N	TJO	06:49:22 UT N	TJO	06:50:22 UT N	TJO	06:51:22 UT N	TJO	06:52:22 UT N	TJO	06:53:22 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
06:54:22 UT N	TJO	06:55:22 UT N	TJO	06:56:22 UT N	TJO	06:57:22 UT N	TJO	06:58:22 UT N	TJO	06:59:22 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
07:00:22 UT N	TJO	07:01:22 UT N	TJO	07:02:23 UT N	TJO	07:03:23 UT N	TJO	07:04:23 UT N	TJO	07:05:23 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
07:06:23 UT N	TJO	07:07:23 UT N	TJO	07:08:23 UT N	TJO	07:09:23 UT N	TJO	07:10:23 UT N	TJO	07:11:23 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 20221203–20221204

