

# Tjornes Watec All-Sky Images 20221124–20221125

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	18:17:01 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
18:18:01 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
S		S		S		S		S		S		S
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
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 20221124–20221125

18:36:01 UT N	TJO	18:37:01 UT N	TJO	18:38:01 UT N	TJO	18:39:01 UT N	TJO	18:40:01 UT N	TJO	18:41:01 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
18:42:01 UT N	TJO	18:43:01 UT N	TJO	18:44:01 UT N	TJO	18:45:01 UT N	TJO	18:46:01 UT N	TJO	18:47:01 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
18:48:01 UT N	TJO	18:49:01 UT N	TJO	18:50:01 UT N	TJO	18:51:01 UT N	TJO	18:52:01 UT N	TJO	18:53:02 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
18:54:02 UT N	TJO	18:55:02 UT N	TJO	18:56:02 UT N	TJO	18:57:02 UT N	TJO	18:58:02 UT N	TJO	18:59:02 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:00:02 UT N	TJO	19:01:02 UT N	TJO	19:02:02 UT N	TJO	19:03:02 UT N	TJO	19:04:02 UT N	TJO	19:05:02 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:06:02 UT N	TJO	19:07:02 UT N	TJO	19:08:02 UT N	TJO	19:09:02 UT N	TJO	19:10:02 UT N	TJO	19:11:02 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 20221124–20221125

23:24:09 UT N	TJO	23:25:09 UT N	TJO	23:26:09 UT N	TJO	23:27:09 UT N	TJO	23:28:10 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	23:44:10 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 20221124–20221125

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	00:22:11 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	00:35:12 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 20221124–20221125

00:36:12 UT N	TJO	00:37:12 UT N	TJO	00:38:12 UT N	TJO	00:39:12 UT N	TJO	00:40:12 UT N	TJO	00:41:12 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
00:42:12 UT N	TJO	00:43:12 UT N	TJO	00:44:12 UT N	TJO	00:45:12 UT N	TJO	00:46:12 UT N	TJO	00:47:12 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
00:48:12 UT N	TJO	00:49:12 UT N	TJO	00:50:12 UT N	TJO	00:51:12 UT N	TJO	00:52:12 UT N	TJO	00:53:12 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
00:54:12 UT N	TJO	00:55:12 UT N	TJO	00:56:12 UT N	TJO	00:57:12 UT N	TJO	00:58:12 UT N	TJO	00:59:12 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
01:00:12 UT N	TJO	01:01:12 UT N	TJO	01:02:12 UT N	TJO	01:03:12 UT N	TJO	01:04:12 UT N	TJO	01:05:12 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
01:06:12 UT N	TJO	01:07:12 UT N	TJO	01:08:12 UT N	TJO	01:09:12 UT N	TJO	01:10:13 UT N	TJO	01:11:13 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 20221124–20221125

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
02:30:15 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
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
02:42:15 UT N	TJO	02:43:15 UT N	TJO	02:44:15 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 20221124–20221125

04:12:18 UT N	TJO	04:13:18 UT N	TJO	04:14:18 UT N	TJO	04:15:18 UT N	TJO	04:16:18 UT N	TJO	04:17:18 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
04:18:18 UT N	TJO	04:19:18 UT N	TJO	04:20:18 UT N	TJO	04:21:18 UT N	TJO	04:22:18 UT N	TJO	04:23:18 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
04:24:18 UT N	TJO	04:25:18 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
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
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
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 20221124–20221125

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
05:36:21 UT N	TJO	05:37:21 UT N	TJO	05:38:21 UT N	TJO	05:39:21 UT N	TJO	05:40:21 UT N	TJO	05:41:21 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
05:42:21 UT N	TJO	05:43:21 UT N	TJO	05:44:21 UT N	TJO	05:45:21 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 20221124–20221125

06:00:21 UT N	TJO	06:01:21 UT N	TJO	06:02:21 UT N	TJO	06:03:21 UT N	TJO	06:04:21 UT N	TJO	06:05:21 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
06:06:21 UT N	TJO	06:07:22 UT N	TJO	06:08:22 UT N	TJO	06:09:22 UT N	TJO	06:10:22 UT N	TJO	06:11:22 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
06:12:22 UT N	TJO	06:13:22 UT N	TJO	06:14:22 UT N	TJO	06:15:22 UT N	TJO	06:16:22 UT N	TJO	06:17:22 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
06:18:22 UT N	TJO	06:19:22 UT N	TJO	06:20:22 UT N	TJO	06:21:22 UT N	TJO	06:22:22 UT N	TJO	06:23:22 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
06:24:22 UT N	TJO	06:25:22 UT N	TJO	06:26:22 UT N	TJO	06:27:22 UT N	TJO	06:28:22 UT N	TJO	06:29:22 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
06:30:22 UT N	TJO	06:31:22 UT N	TJO	06:32:22 UT N	TJO	06:33:22 UT N	TJO	06:34:22 UT N	TJO	06:35:22 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 20221124–20221125

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
S		S		S		S		S		S		S
06:42:23 UT N	TJO	06:43:23 UT N	TJO	06:44:23 UT N	TJO	06:45:23 UT N	TJO	06:46:23 UT N	TJO	06:47:23 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
06:48:23 UT N	TJO	06:49:23 UT N	TJO	06:50:23 UT N	TJO	06:51:23 UT N	TJO	06:52:23 UT N	TJO	06:53:23 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
06:54:23 UT N	TJO	06:55:23 UT N	TJO	06:56:23 UT N	TJO	06:57:23 UT N	TJO	06:58:23 UT N	TJO	06:59:23 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
07:00:23 UT N	TJO	07:01:23 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
S		S		S		S		S		S		S
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



