

# Tjornes Watec All-Sky Images 20221012–20221013

19:44:55 UT N	TJO	19:45:55 UT N	TJO	19:46:55 UT N	TJO	19:47:55 UT N	TJO	19:48:55 UT N	TJO	19:49:55 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		
19:50:56 UT N	TJO	19:51:56 UT N	TJO	19:52:56 UT N	TJO	19:53:56 UT N	TJO	19:54:56 UT N	TJO	19:55:56 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		
19:56:56 UT N	TJO	19:57:56 UT N	TJO	19:58:56 UT N	TJO	19:59:56 UT N	TJO	20:00:56 UT N	TJO	20:01:56 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		
20:02:56 UT N	TJO	20:03:56 UT N	TJO	20:04:56 UT N	TJO	20:05:56 UT N	TJO	20:06:56 UT N	TJO	20:07:56 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		
20:08:56 UT N	TJO	20:09:56 UT N	TJO	20:10:56 UT N	TJO	20:11:56 UT N	TJO	20:12:56 UT N	TJO	20:13:56 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		
20:14:56 UT N	TJO	20:15:56 UT N	TJO	20:16:56 UT N	TJO	20:17:56 UT N	TJO	20:18:56 UT N	TJO	20:19:56 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 20221012–20221013

20:20:56 UT N	TJO	20:21:56 UT N	TJO	20:22:56 UT N	TJO	20:23:57 UT N	TJO	20:24:57 UT N	TJO	20:25:57 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
20:26:57 UT N	TJO	20:27:57 UT N	TJO	20:28:57 UT N	TJO	20:29:57 UT N	TJO	20:30:57 UT N	TJO	20:31:57 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
20:32:57 UT N	TJO	20:33:57 UT N	TJO	20:34:57 UT N	TJO	20:35:57 UT N	TJO	20:36:57 UT N	TJO	20:37:57 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
20:38:57 UT N	TJO	20:39:57 UT N	TJO	20:40:57 UT N	TJO	20:41:57 UT N	TJO	20:42:57 UT N	TJO	20:43:57 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
20:44:57 UT N	TJO	20:45:57 UT N	TJO	20:46:57 UT N	TJO	20:47:57 UT N	TJO	20:48:57 UT N	TJO	20:49:57 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
20:50:57 UT N	TJO	20:51:57 UT N	TJO	20:52:57 UT N	TJO	20:53:57 UT N	TJO	20:54:57 UT N	TJO	20:55:57 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 20221012–20221013

21:32:58 UT N	TJO	21:33:58 UT N	TJO	21:34:58 UT N	TJO	21:35:58 UT N	TJO	21:36:58 UT N	TJO	21:37:59 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:38:59 UT N	TJO	21:39:59 UT N	TJO	21:40:59 UT N	TJO	21:41:59 UT N	TJO	21:42:59 UT N	TJO	21:43:59 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:44:59 UT N	TJO	21:45:59 UT N	TJO	21:46:59 UT N	TJO	21:47:59 UT N	TJO	21:48:59 UT N	TJO	21:49:59 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:50:59 UT N	TJO	21:51:59 UT N	TJO	21:52:59 UT N	TJO	21:53:59 UT N	TJO	21:54:59 UT N	TJO	21:55:59 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
21:56:59 UT N	TJO	21:57:59 UT N	TJO	21:58:59 UT N	TJO	21:59:59 UT N	TJO	22:00:59 UT N	TJO	22:01:59 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
22:02:59 UT N	TJO	22:03:59 UT N	TJO	22:04:59 UT N	TJO	22:05:59 UT N	TJO	22:06:59 UT N	TJO	22:08:00 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 20221012–20221013

22:09:00 UT N	TJO	22:10:00 UT N	TJO	22:11:00 UT N	TJO	22:12:00 UT N	TJO	22:13:00 UT N	TJO	22:14:00 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
22:15:00 UT N	TJO	22:16:00 UT N	TJO	22:17:00 UT N	TJO	22:18:00 UT N	TJO	22:19:00 UT N	TJO	22:20:00 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
22:21:00 UT N	TJO	22:22:00 UT N	TJO	22:23:00 UT N	TJO	22:24:00 UT N	TJO	22:25:00 UT N	TJO	22:26:00 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
22:27:00 UT N	TJO	22:28:00 UT N	TJO	22:29:00 UT N	TJO	22:30:00 UT N	TJO	22:31:00 UT N	TJO	22:32:00 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
22:33:00 UT N	TJO	22:34:00 UT N	TJO	22:35:00 UT N	TJO	22:36:00 UT N	TJO	22:37:00 UT N	TJO	22:38:00 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
22:39:00 UT N	TJO	22:40:01 UT N	TJO	22:41:01 UT N	TJO	22:42:01 UT N	TJO	22:43:01 UT N	TJO	22:44:01 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 20221012–20221013

22:45:01 UT N	TJO	22:46:01 UT N	TJO	22:47:01 UT N	TJO	22:48:01 UT N	TJO	22:49:01 UT N	TJO	22:50:01 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:51:01 UT N	TJO	22:52:01 UT N	TJO	22:53:01 UT N	TJO	22:54:01 UT N	TJO	22:55:01 UT N	TJO	22:56:01 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
22:57:01 UT N	TJO	22:58:01 UT N	TJO	22:59:01 UT N	TJO	23:00:01 UT N	TJO	23:01:01 UT N	TJO	23:02:01 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:03:01 UT N	TJO	23:04:01 UT N	TJO	23:05:01 UT N	TJO	23:06:01 UT N	TJO	23:07:01 UT N	TJO	23:08:01 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:09:01 UT N	TJO	23:10:01 UT N	TJO	23:11:01 UT N	TJO	23:12:02 UT N	TJO	23:13:02 UT N	TJO	23:14:02 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:15:02 UT N	TJO	23:16:02 UT N	TJO	23:17:02 UT N	TJO	23:18:02 UT N	TJO	23:19:02 UT N	TJO	23:20:02 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 20221012–20221013

23:21:02 UT N	TJO	23:22:02 UT N	TJO	23:23:02 UT N	TJO	23:24:02 UT N	TJO	23:25:02 UT N	TJO	23:26:02 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
23:27:02 UT N	TJO	23:28:02 UT N	TJO	23:29:02 UT N	TJO	23:30:02 UT N	TJO	23:31:02 UT N	TJO	23:32:02 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
23:33:02 UT N	TJO	23:34:02 UT N	TJO	23:35:02 UT N	TJO	23:36:02 UT N	TJO	23:37:02 UT N	TJO	23:38:02 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
23:39:02 UT N	TJO	23:40:02 UT N	TJO	23:41:02 UT N	TJO	23:42:02 UT N	TJO	23:43:02 UT N	TJO	23:44:03 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
23:45:03 UT N	TJO	23:46:03 UT N	TJO	23:47:03 UT N	TJO	23:48:03 UT N	TJO	23:49:03 UT N	TJO	23:50:03 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
23:51:03 UT N	TJO	23:52:03 UT N	TJO	23:53:03 UT N	TJO	23:54:03 UT N	TJO	23:55:03 UT N	TJO	23:56:03 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 20221012–20221013

23:57:03 UT N	TJO	23:58:03 UT N	TJO	23:59:03 UT N	TJO	00:00:03 UT N	TJO	00:01:03 UT N	TJO	00:02:03 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:03:03 UT N	TJO	00:04:03 UT N	TJO	00:05:03 UT N	TJO	00:06:03 UT N	TJO	00:07:03 UT N	TJO	00:08:03 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:09:03 UT N	TJO	00:10:03 UT N	TJO	00:11:03 UT N	TJO	00:12:03 UT N	TJO	00:13:03 UT N	TJO	00:14:03 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:15:03 UT N	TJO	00:16:03 UT N	TJO	00:17:03 UT N	TJO	00:18:04 UT N	TJO	00:19:04 UT N	TJO	00:20:04 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:21:04 UT N	TJO	00:22:04 UT N	TJO	00:23:04 UT N	TJO	00:24:04 UT N	TJO	00:25:04 UT N	TJO	00:26:04 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:27:04 UT N	TJO	00:28:04 UT N	TJO	00:29:04 UT N	TJO	00:30:04 UT N	TJO	00:31:04 UT N	TJO	00:32:04 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 20221012–20221013

01:09:05 UT N	TJO	01:10:05 UT N	TJO	01:11:05 UT N	TJO	01:12:05 UT N	TJO	01:13:05 UT N	TJO	01:14:05 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
01:15:05 UT S N	TJO	01:16:05 UT S N	TJO	01:17:05 UT S N	TJO	01:18:05 UT S N	TJO	01:19:05 UT S N	TJO	01:20:05 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
01:21:05 UT S N	TJO	01:22:06 UT S N	TJO	01:23:06 UT S N	TJO	01:24:06 UT S N	TJO	01:25:06 UT S N	TJO	01:26:06 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
01:27:06 UT S N	TJO	01:28:06 UT S N	TJO	01:29:06 UT S N	TJO	01:30:06 UT S N	TJO	01:31:06 UT S N	TJO	01:32:06 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
01:33:06 UT S N	TJO	01:34:06 UT S N	TJO	01:35:06 UT S N	TJO	01:36:06 UT S N	TJO	01:37:06 UT S N	TJO	01:38:06 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
01:39:06 UT S N	TJO	01:40:06 UT S N	TJO	01:41:06 UT S N	TJO	01:42:06 UT S N	TJO	01:43:06 UT S N	TJO	01:44:06 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 20221012–20221013

02:57:08 UT N	TJO	02:58:08 UT N	TJO	02:59:08 UT N	TJO	03:00:08 UT N	TJO	03:01:08 UT N	TJO	03:02:08 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
03:03:08 UT N	TJO	03:04:08 UT N	TJO	03:05:09 UT N	TJO	03:06:09 UT N	TJO	03:07:09 UT N	TJO	03:08:09 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
03:09:09 UT N	TJO	03:10:09 UT N	TJO	03:11:09 UT N	TJO	03:12:09 UT N	TJO	03:13:09 UT N	TJO	03:14:09 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
03:15:09 UT N	TJO	03:16:09 UT N	TJO	03:17:09 UT N	TJO	03:18:09 UT N	TJO	03:19:09 UT N	TJO	03:20:09 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
03:21:09 UT N	TJO	03:22:09 UT N	TJO	03:23:09 UT N	TJO	03:24:09 UT N	TJO	03:25:09 UT N	TJO	03:26:09 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
03:27:09 UT N	TJO	03:28:09 UT N	TJO	03:29:09 UT N	TJO	03:30:09 UT N	TJO	03:31:09 UT N	TJO	03:32:09 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 20221012–20221013

04:09:10 UT N	TJO	04:10:10 UT N	TJO	04:11:10 UT N	TJO	04:12:10 UT N	TJO	04:13:11 UT N	TJO	04:14:11 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
04:15:11 UT S N	TJO	04:16:11 UT S N	TJO	04:17:11 UT S N	TJO	04:18:11 UT S N	TJO	04:19:11 UT S N	TJO	04:20:11 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
04:21:11 UT S N	TJO	04:22:11 UT S N	TJO	04:23:11 UT S N	TJO	04:24:11 UT S N	TJO	04:25:11 UT S N	TJO	04:26:11 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
04:27:11 UT S N	TJO	04:28:11 UT S N	TJO	04:29:11 UT S N	TJO	04:30:11 UT S N	TJO	04:31:11 UT S N	TJO	04:32:11 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
04:33:11 UT S N	TJO	04:34:11 UT S N	TJO	04:35:11 UT S N	TJO	04:36:11 UT S N	TJO	04:37:11 UT S N	TJO	04:38:11 UT S N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
04:39:11 UT S N	TJO	04:40:11 UT S N	TJO	04:41:11 UT S N	TJO	04:42:11 UT S N	TJO	04:43:11 UT S N	TJO	04:44:12 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 20221012–20221013

