



# Tjornes Watec All-Sky Images 20221103–20221104

19:08:59 UT N	TJO	19:09:59 UT N	TJO	19:10:59 UT N	TJO	19:11:59 UT N	TJO	19:12:59 UT N	TJO	19:13:59 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:14:59 UT N	TJO	19:15:59 UT N	TJO	19:16:59 UT N	TJO	19:17:59 UT N	TJO	19:18:59 UT N	TJO	19:19:59 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:20:59 UT N	TJO	19:21:59 UT N	TJO	19:22:59 UT N	TJO	19:23:59 UT N	TJO	19:24:59 UT N	TJO	19:25:59 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:26:59 UT N	TJO	19:27:59 UT N	TJO	19:28:59 UT N	TJO	19:29:59 UT N	TJO	19:30:59 UT N	TJO	19:31:59 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:32:59 UT N	TJO	19:33:59 UT N	TJO	19:34:59 UT N	TJO	19:35:59 UT N	TJO	19:36:59 UT N	TJO	19:37:59 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:38:59 UT N	TJO	19:40:00 UT N	TJO	19:41:00 UT N	TJO	19:42:00 UT N	TJO	19:43:00 UT N	TJO	19:44:00 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 20221103–20221104

23:21:06 UT N	TJO	23:22:06 UT N	TJO	23:23:06 UT N	TJO	23:24:06 UT N	TJO	23:25:06 UT N	TJO	23:26:06 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:27:06 UT N	TJO	23:28:06 UT N	TJO	23:29:06 UT N	TJO	23:30:06 UT N	TJO	23:31:06 UT N	TJO	23:32:06 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:33:07 UT N	TJO	23:34:07 UT N	TJO	23:35:07 UT N	TJO	23:36:07 UT N	TJO	23:37:07 UT N	TJO	23:38:07 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:39:07 UT N	TJO	23:40:07 UT N	TJO	23:41:07 UT N	TJO	23:42:07 UT N	TJO	23:43:07 UT N	TJO	23:44:07 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:45:07 UT N	TJO	23:46:07 UT N	TJO	23:47:07 UT N	TJO	23:48:07 UT N	TJO	23:49:07 UT N	TJO	23:50:07 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:51:07 UT N	TJO	23:52:07 UT N	TJO	23:53:07 UT N	TJO	23:54:07 UT N	TJO	23:55:07 UT N	TJO	23:56:07 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 20221103–20221104

23:57:07 UT N	TJO	23:58:07 UT N	TJO	23:59:07 UT N	TJO	00:00:07 UT N	TJO	00:01:07 UT N	TJO	00:02:07 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:03:07 UT S	TJO	00:04:07 UT S	TJO	00:05:07 UT S	TJO	00:06:07 UT S	TJO	00:07:07 UT S	TJO	00:08:08 UT S	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:09:08 UT S	TJO	00:10:08 UT S	TJO	00:11:08 UT S	TJO	00:12:08 UT S	TJO	00:13:08 UT S	TJO	00:14:08 UT S	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:15:08 UT S	TJO	00:16:08 UT S	TJO	00:17:08 UT S	TJO	00:18:08 UT S	TJO	00:19:08 UT S	TJO	00:20:08 UT S	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:21:08 UT S	TJO	00:22:08 UT S	TJO	00:23:08 UT S	TJO	00:24:08 UT S	TJO	00:25:08 UT S	TJO	00:26:08 UT S	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:27:08 UT S	TJO	00:28:08 UT S	TJO	00:29:08 UT S	TJO	00:30:08 UT S	TJO	00:31:08 UT S	TJO	00:32:08 UT S	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 20221103–20221104

02:57:12 UT N	TJO	02:58:12 UT N	TJO	02:59:12 UT N	TJO	03:00:12 UT N	TJO	03:01:12 UT N	TJO	03:02:12 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
	S		S		S		S		S		S	
03:03:12 UT N	TJO	03:04:12 UT N	TJO	03:05:12 UT N	TJO	03:06:12 UT N	TJO	03:07:13 UT N	TJO	03:08:13 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
	S		S		S		S		S		S	
03:09:13 UT N	TJO	03:10:13 UT N	TJO	03:11:13 UT N	TJO	03:12:13 UT N	TJO	03:13:13 UT N	TJO	03:14:13 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
	S		S		S		S		S		S	
03:15:13 UT N	TJO	03:16:13 UT N	TJO	03:17:13 UT N	TJO	03:18:13 UT N	TJO	03:19:13 UT N	TJO	03:20:13 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
	S		S		S		S		S		S	
03:21:13 UT N	TJO	03:22:13 UT N	TJO	03:23:13 UT N	TJO	03:24:13 UT N	TJO	03:25:13 UT N	TJO	03:26:13 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
	S		S		S		S		S		S	
03:27:13 UT N	TJO	03:28:13 UT N	TJO	03:29:13 UT N	TJO	03:30:13 UT N	TJO	03:31:13 UT N	TJO	03:32:13 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 20221103–20221104

03:33:13 UT N	TJO	03:34:13 UT N	TJO	03:35:13 UT N	TJO	03:36:13 UT N	TJO	03:37:13 UT N	TJO	03:38:13 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
03:39:13 UT N	TJO	03:40:14 UT N	TJO	03:41:14 UT N	TJO	03:42:14 UT N	TJO	03:43:14 UT N	TJO	03:44:14 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
03:45:14 UT N	TJO	03:46:14 UT N	TJO	03:47:14 UT N	TJO	03:48:14 UT N	TJO	03:49:14 UT N	TJO	03:50:14 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
03:51:14 UT N	TJO	03:52:14 UT N	TJO	03:53:14 UT N	TJO	03:54:14 UT N	TJO	03:55:14 UT N	TJO	03:56:14 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
03:57:14 UT N	TJO	03:58:14 UT N	TJO	03:59:14 UT N	TJO	04:00:14 UT N	TJO	04:01:14 UT N	TJO	04:02:14 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
04:03:14 UT N	TJO	04:04:14 UT N	TJO	04:05:14 UT N	TJO	04:06:14 UT N	TJO	04:07:14 UT N	TJO	04:08:14 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 20221103–20221104

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