

Tjornes Watec All-Sky Images 20221118–20221119

19:12:02 UT N	TJO	19:13:02 UT N	TJO	19:14:02 UT N	TJO	19:15:02 UT N	TJO	19:16:02 UT N	TJO	19:17:02 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:18:02 UT N	TJO	19:19:02 UT N	TJO	19:20:02 UT N	TJO	19:21:02 UT N	TJO	19:22:03 UT N	TJO	19:23:03 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:24:03 UT N	TJO	19:25:03 UT N	TJO	19:26:03 UT N	TJO	19:27:03 UT N	TJO	19:28:03 UT N	TJO	19:29:03 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:30:03 UT N	TJO	19:31:03 UT N	TJO	19:32:03 UT N	TJO	19:33:03 UT N	TJO	19:34:03 UT N	TJO	19:35:03 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:36:03 UT N	TJO	19:37:03 UT N	TJO	19:38:03 UT N	TJO	19:39:03 UT N	TJO	19:40:03 UT N	TJO	19:41:03 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
19:42:03 UT N	TJO	19:43:03 UT N	TJO	19:44:03 UT N	TJO	19:45:03 UT N	TJO	19:46:03 UT N	TJO	19:47:03 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 20221118–20221119

20:24:04 UT N	TJO	20:25:04 UT N	TJO	20:26:04 UT N	TJO	20:27:05 UT N	TJO	20:28:05 UT N	TJO	20:29:05 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
20:30:05 UT N	TJO	20:31:05 UT N	TJO	20:32:05 UT N	TJO	20:33:05 UT N	TJO	20:34:05 UT N	TJO	20:35:05 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
20:36:05 UT N	TJO	20:37:05 UT N	TJO	20:38:05 UT N	TJO	20:39:05 UT N	TJO	20:40:05 UT N	TJO	20:41:05 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
20:42:05 UT N	TJO	20:43:05 UT N	TJO	20:44:05 UT N	TJO	20:45:05 UT N	TJO	20:46:05 UT N	TJO	20:47:05 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
20:48:05 UT N	TJO	20:49:05 UT N	TJO	20:50:05 UT N	TJO	20:51:05 UT N	TJO	20:52:05 UT N	TJO	20:53:05 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
20:54:05 UT N	TJO	20:55:05 UT N	TJO	20:56:06 UT N	TJO	20:57:06 UT N	TJO	20:58:06 UT N	TJO	20:59:06 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 20221118–20221119

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	23:09:09 UT N	TJO	23:10:09 UT N	TJO	23:11:09 UT N	TJO	
S		S		S		S		S		S		
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
23:12:09 UT N	TJO	23:13:09 UT N	TJO	23:14:09 UT N	TJO	23:15:09 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 20221118–20221119

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
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
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
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
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
23:54:10 UT N	TJO	23:55:10 UT N	TJO	23:56:10 UT N	TJO	23:57:10 UT N	TJO	23:58:11 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 20221118–20221119

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 N	TJO	00:07:11 UT N	TJO	00:08:11 UT N	TJO	00:09:11 UT N	TJO	00:10:11 UT N	TJO	00:11:11 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:12:11 UT N	TJO	00:13:11 UT N	TJO	00:14:11 UT N	TJO	00:15:11 UT N	TJO	00:16:11 UT N	TJO	00:17:11 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:18:11 UT N	TJO	00:19:11 UT N	TJO	00:20:11 UT N	TJO	00:21:11 UT N	TJO	00:22:11 UT N	TJO	00:23:11 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:24:11 UT N	TJO	00:25:11 UT N	TJO	00:26:11 UT N	TJO	00:27:11 UT N	TJO	00:28:11 UT N	TJO	00:29:11 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
00:30:11 UT N	TJO	00:31:11 UT N	TJO	00:32:12 UT N	TJO	00:33:12 UT N	TJO	00:34:12 UT N	TJO	00:35:12 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 20221118–20221119

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	02:49:16 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 20221118–20221119

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
03:06:16 UT N	TJO	03:07:16 UT N	TJO	03:08:16 UT N	TJO	03:09:16 UT N	TJO	03:10:16 UT N	TJO	03:11:16 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
03:12:16 UT N	TJO	03:13:16 UT N	TJO	03:14:16 UT N	TJO	03:15:16 UT N	TJO	03:16:16 UT N	TJO	03:17:16 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
03:18:16 UT N	TJO	03:19:16 UT N	TJO	03:20:16 UT N	TJO	03:21:16 UT N	TJO	03:22:16 UT N	TJO	03:23:17 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
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
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		S

Tjornes Watec All-Sky Images 20221118–20221119

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
03:54:18 UT N	TJO	03:55:18 UT N	TJO	03:56:18 UT N	TJO	03:57:18 UT N	TJO	03:58:18 UT N	TJO	03:59:18 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
04:00:18 UT N	TJO	04:01:18 UT N	TJO	04:02:18 UT N	TJO	04:03:18 UT N	TJO	04:04:18 UT N	TJO	04:05:18 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
04:06:18 UT N	TJO	04:07:18 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 20221118–20221119

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	06:05:22 UT N	TJO	
E	o	WE	o	WE	o	WE	o	WE	o	WE	o	W
S		S		S		S		S		S		S
06:06:22 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
S		S		S		S		S		S		S
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
S		S		S		S		S		S		S
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
S		S		S		S		S		S		S
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
S		S		S		S		S		S		S
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 20221118–20221119

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	06:45:23 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
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
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
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
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

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