## Tjornes Watec All-Sky Images 20111223-20111224



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| 21:12:02 UT | TJO | 21:13:02 UT | TJO | 21:14:02 UT | TJO | 21:15:02 UT | TJO | 21:16:02 UT | TJO | 21:17:02 UT | TJO |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| E |  | WE |  | WE ○ |  | WE - |  | WE |  | W E | w |
| $\frac{S}{21: 18: 02 \mathrm{UN}_{N}^{\top}}$ |  | $\frac{\mathrm{S}}{-21: 19: 02 \mathrm{UT}}$ |  | $-\frac{S}{-21: 20: 03 \mathrm{UT}}$ | TJOO | $\frac{S}{21: 21: 03 \mathrm{UT}}$ |  | $-21: 22: 03 \frac{\mathrm{ST}}{\mathrm{~N}}$ | TJOO' | $\frac{S}{21: 23: 03 \mathrm{UT}}$ | 'TJŌ' |
| E |  | WE |  | WE |  | W E |  | WE |  | WE ○ | w |
| $\frac{S}{21: 24: 03 \mathrm{UT}}$ | TJOB | $21: 25: 03 \frac{\mathrm{UT}}{\mathrm{~N}}$ |  | $\frac{S}{-21: 26: 03 \mathrm{UT}}$ |  | $-21: 27: 03 \frac{S}{U_{N}^{\top}}$ |  | $-21: 28: 03 \frac{\mathrm{UN}}{\mathrm{~N}}$ | TJÖ | $\frac{S}{21: 29: 03 \mathbb{U N}_{N}^{\top}}$ | TTJŌ |
| E |  | WE |  | WE |  | W E |  | WE |  | W E | w |
| $\frac{S}{21: 30: 03 \mathrm{UT}}$ | TJO | $\frac{S}{21: 31: 03 \mathrm{UT}}$ |  | $\frac{S}{21: 32: 03 \mathrm{UT}}$ |  | $\frac{\mathrm{S}}{21: 33: 03 \mathrm{UT}}$ |  | $\frac{\mathrm{S}}{21: 34: 03 \mathrm{UT}}$ | - TJŌ | $\frac{S}{21: 35: 03 \underset{N}{U}}$ | TJỌ |
| E |  | WE |  | WE - |  | WE |  | WE |  | WE | w |
| $\frac{S}{21: 36: 03 \mathrm{UT}}$ | TJÖ | $-21: 37: 03 \frac{S}{U_{N}^{\top}}$ |  | $\frac{S}{21: 38: 03 \mathrm{UT}}$ |  | $\frac{S}{21: 39: 03 \mathrm{UT}}$ |  | $\frac{S}{21: 40: 03 \mathrm{UN}}$ | Truō | $\frac{S}{21: 41: 03 \underset{N}{N}}$ | TJỌ |
| E |  | WE |  | WE ○ |  | WE - |  | WE |  | WE - | w |
| $\frac{S}{21: 42: 03 \mathrm{UT}}$ | TJ.O. | $\frac{\mathrm{S}}{21: 43: 03 \mathrm{UT}}$ |  | $\frac{S}{21: 44: 03 \tilde{U N}_{N}^{\top}}$ | TJỌ | $\frac{S}{21: 45: 03 \frac{\mathrm{UT}}{\mathrm{~N}}}$ |  | $\text { 21:46:03 } \frac{S}{\mathrm{UT}}$ | TJỌ | $-\frac{S}{21: 47: 03 \mathrm{UT}}$ | TJỌ |
| E |  | WE |  | WE 。 |  | WE - |  | WE |  | WE 。 | w |
| s |  | S |  | S |  | S |  | s |  | S | , |

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| 00:48:09 UT | THO | 00:49:09 UT | TJO | 00:50:09 UT | TJO | 00:51:09 UT | TJO | 00:52:09 UT | TJO | 00:53:09 UT | TJO |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - |  | WE |  | WE |  | WE |  | WE 。 |  | WE | w |
| $\frac{\mathrm{S}}{00: 54: 09 \mathrm{UN}_{\mathrm{N}}^{\top}}$ | Tiọ̄ | $\frac{S}{00: 55: 09 \mathbb{U N}_{N}^{\top}}$ |  | $00: 56: 09 \mathrm{UN}_{\mathrm{N}}^{\mathrm{U}}$ |  | $00: 57: 09 \mathrm{U}_{\mathrm{N}}^{\top}$ |  | $\frac{s}{00: 58: 09 \mathrm{UT}}$ |  | $00: 59: 09 \frac{S}{N T}$ | TJOT |
| E 0 |  | WE |  | WE |  | WE |  | WE |  | WE | w |
| $\text { 01:00:10 } \frac{S}{\mathrm{UT}}$ | "Ty | $01: 01: 10 \mathrm{UN}_{\mathrm{N}}$ |  | $\frac{S}{01: 02: 10 \mathbb{U N}_{N}^{\top}}$ |  | $\text { -01:03:10 } \frac{S}{\mathrm{U}^{\top}}$ |  | $01: 04: 10 \mathrm{U}_{\mathrm{N}}^{\top}$ |  | $\frac{\mathrm{S}}{01: 05: 10 \mathrm{U}_{\mathrm{N}}^{\top}}$ | TJOT |
| E 0 |  | WE |  | WE |  | WE |  | W E |  | W E | w |
| $\text { 01:06:10 } \begin{gathered} S \\ N \end{gathered}$ | Tioño | $\text { 01:07:10 } \frac{\mathrm{U}}{\mathrm{~N}}$ |  | $\frac{S}{01: 08: 10 \mathbb{U N}_{N}^{\top}}$ | Tiộ | $01: 09: 10 \frac{\mathrm{U}}{\mathrm{~N}}$ | THJŌ | $\frac{\mathrm{S}}{01: 10: 10 \mathrm{UN}}$ |  | $01: 11: 10 \frac{S}{N}$ | TJỌ |
| E ○ |  | WE ○ |  | WE ○ |  | W E |  | W E |  | WE | w |
| $\underbrace{}_{01: 12: 10 \frac{\mathrm{UT}}{\mathrm{~N}}} \frac{\mathrm{~S}}{}$ | 'Tiộ | $\text { 01:13:10 } \frac{S}{\mathrm{UT}}$ | TJỌ̄ | $01: 14: 10 \frac{\mathrm{UN}}{\mathrm{~N}}$ |  | $\frac{\mathrm{S}}{01: 15: 10 \mathrm{UN}}$ | T.JOTO | $\frac{S}{01: 16: 10 \mathrm{UN}_{\mathrm{N}}^{\top}}$ | TJỌ́ | $\frac{S}{01: 17: 10 \mathbb{U N}_{N}^{\top}}$ | TJỌ |
| E |  | W E |  | WE ○ |  | WE |  | WE |  | WE | w |
| ${ }^{01: 18: 10} \frac{\mathrm{~S}}{\mathrm{NT}}$ |  | $\frac{S}{01: 19: 10 U T}$ | Tiọ | $\frac{S}{01: 20: 10 \mathbb{U N}_{N}^{\top}}$ | 'TJOOT | $\frac{S}{01: 21: 10 \mathbb{U N}_{N}^{\top}}$ | Tiō | $\frac{\mathrm{S}}{01: 22: 10 \mathrm{UT}}$ |  | $\frac{S}{01: 23: 10 \mathrm{UN}_{\mathrm{N}}^{\top}}$ | TJỌ |
| E |  | W E |  | WE ○ |  | WE |  | WE |  | WE ○ | w |
| s |  | s |  | S |  |  |  | $\mathrm{s}$ |  | S |  |

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| 05:00:17 UT |  | 05:01:17 UT | TJO | 05:02:17 UT | TJO | 05:03:17 UT |  | 05:04:17 UT |  | 05:05:17 UT | TJO |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| E ○ |  | WE |  | WE |  | WE |  | WE |  | WE | w |
| $\frac{S}{05: 06: 17 \mathrm{UN}_{N}^{\top}}$ | TiOO | $\frac{S}{05: 07: 17 \mathbb{U N}^{\top}}$ | "TJO' | $05: 08: 17 \frac{S}{N}$ |  | $\frac{S}{05: 09: 17 \mathrm{UN}_{\mathrm{N}}^{\mathrm{N}}}$ | Trṑ | $05: 10: 17 \frac{S}{N}$ |  | $\frac{S}{05: 11: 17 \mathrm{UN}_{N}^{\top}}$ | ‘TJŌ |
| E 0 |  | WE |  | WE |  | WE |  | WE |  | WE | w |
| $05: 12: 17 \frac{S}{\mathrm{UN}}$ | TJOT | $\frac{S}{05: 13: 17 \mathrm{UN}_{N}^{\top}}$ |  | $05: 14: 18 \frac{0}{\mathrm{UT}}$ |  | $05: 15: 18 \mathbb{U N}_{N}^{T}$ | Trō | $\frac{S}{05: 16: 18 \mathrm{UT}}$ |  | $\frac{S}{05: 17: 18 \mathbb{U N}_{N}^{\top}}$ | TTuȮ |
| E |  | W E |  | WE - |  | WE |  | W E |  | WE | w |
| $05: 18: \frac{S}{\mathrm{UT}}$ | TJOO | $\frac{S}{05: 19: 18 \mathbb{U N}_{N}^{\top}}$ | "TJOB | $\frac{S}{05: 20: 18 \mathrm{UN}_{\mathrm{N}}^{\mathrm{U}}}$ |  | $05: 21: 18 \frac{S}{\mathrm{NT}}$ | TTOOO | ${ }^{05}: 22: 18 \frac{\mathrm{UN}}{\mathrm{~N}}$ |  | $\frac{S}{05: 23: 18 \underset{N}{U T}}$ | T TuŌ |
| E |  | WE |  | WE ○ |  | WE |  | WE |  | WE | w |
| $\frac{S}{05: 24: 18 \frac{U}{N}}$ | TJO | $\frac{S}{05: 25: 18 \mathbb{U N}_{N}^{\top}}$ | FTJO | $\frac{S}{05: 26: 18 \underset{N}{U T}}$ | TJỌ | $\frac{S}{05: 27: 18 U_{N}^{\top}}$ | TJỌ' | $0 \overline{5}: 28: 18 \frac{\mathrm{U}}{\mathrm{~N}}$ |  | $\frac{S}{05: 29: 18 \mathrm{UN}_{\mathrm{N}}}$ |  |
| E |  | WE |  | WE |  | WE |  | WE |  | WE | w |
| ${ }_{05: 30: 18: \frac{S}{N T}}$ | TuỌ | $\frac{\mathrm{S}}{05: 31: 18 \mathrm{UN}}$ | Trō̃ | $\frac{S}{05: 32: 18 \mathbb{U N}_{N}^{\top}}$ |  | $\frac{S}{05: 33: 18 \mathrm{UT}}$ | TJOTO | $\frac{S}{-05: 34: 18 \mathbb{U N}_{N}^{\top}}$ |  | $\frac{S}{05: 35: 18 \mathrm{UN}_{\mathrm{N}}^{\dagger}}$ | TJOT |
| E |  | WE |  | WE ○ |  | WE ○ |  | WE |  | WE | w |
| s | $1$ | S | $1$ | $V$ |  |  |  |  |  | S | - |

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