## Syowa Watec2 All-Sky Images 20190927-20190928

| 17:57:06 UT | SYO | 17:58:06 UT | SYO | 17:59:06 UT | SYO | 18:00:06 UT | SYO | 18:01:06 UT | SYO | 18:02:06 UT | sYo |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| w |  | E W |  | EW |  | EW |  | E W |  | EW | E |
| $\begin{gathered} \mathrm{N} \\ \text { 18:03:06 UT } \\ \mathrm{S} \end{gathered}$ |  | 18:04:06 UT ${ }_{\text {N }}$ | SYO | ${ }_{\text {18:05:07 }}^{\text {N }}$ | SYO | ${ }_{\text {18:06:07 }} \begin{gathered}\text { UT } \\ \text { UT }\end{gathered}$ | ${ }_{\text {S }}^{\substack{\text { apg } \\ \text { ase }}}$ | ${ }_{18: 07: 07}^{\text {UT }}$ N | SYO | 18:08:07 NT ${ }_{\text {UT }}$ | SYO |
| w |  | E W |  | EW |  | EW |  | E W |  | EW | E |
| $\begin{array}{r} \mathrm{N} \\ 18: 09: 07 \mathrm{UT} \end{array}$ |  | $\begin{gathered} \mathrm{N} \\ \text { 18:10:07 UT } \\ \mathrm{S} \end{gathered}$ | SYO | 18:11:07 ${ }_{\text {U }}^{\text {U }}$ | SYO | ${ }_{18: 12: 07}^{\text {N }}$ NT | SYO | ${ }_{\text {18:13:07 }} \begin{gathered}\text { N } \\ \text { S } \\ \text { S }\end{gathered}$ | SYO | 18:14:07 UT ${ }_{\text {U }}^{\text {U }}$ | SYO |
| w o |  | E W |  | EW |  | EW |  | EW |  | EW | E |
| 18:15:07 ${ }_{\text {UT }}^{\text {N }}$ |  | $\begin{gathered} \mathrm{N} \\ 18: 16: 07 \mathrm{UT} \end{gathered}$ | SYO | 18:17:07 ${ }_{\text {U }}^{\text {U }}$ | SYO | 18:18:07 UT | SYO | 18:19:07 UT ${ }_{\text {U }}^{\text {N }}$ | SYO | ${ }_{\text {18:20:07 }} \stackrel{\text { N }}{\text { UT }}$ |  |
| w |  | EW |  | EW |  | E W |  | EW |  | EW | E |
| 18:21:07 UT ${ }_{\text {N }}$ | SYO | ${ }_{\text {18:22:07 }} \begin{gathered}\text { UT } \\ \text { U }\end{gathered}$ | SYO | ${ }_{\text {18:23:07 UT }}^{\text {U }}$ | SYO | 18:24:07 UT ${ }_{\text {U }}$ | SYO | ${ }_{\text {18:25:07 }}^{\text {U }}$ N | SYO | ${ }_{18} 18.26: 07 \mathrm{NT}_{\text {U }}$ | $\xrightarrow{\substack{v 19 \\ \text { ation } \\ \text { SYO }}}$ |
| w o |  | EW |  | EW |  | E W |  | EW |  | EW | E |
| $\begin{array}{r} \mathrm{N} \\ 18: 27: 07 \mathrm{UT} \end{array}$ | $\begin{aligned} & \substack{\left.\mathrm{n}_{5}\right)^{2} \\ \mathrm{~S}} \end{aligned}$ | $\begin{gathered} \mathrm{N} \\ \text { 18:28:07 UT } \\ \mathrm{S} \end{gathered}$ | SYO | 18:29:07 ${ }_{\text {UT }}^{\text {U }}$ | SYO | 18:30:07 UT ${ }_{\text {U }}$ | SYO | ${ }^{18: 31: 07} \mathrm{UT}_{\text {U }}^{\text {N }}$ | SYO | ${ }_{\text {18:32:08 UT }}^{\text {U }}$ | SYO |
| w o |  | EW |  | EW - |  | E W |  | E W |  | EW | E |
| N | 9129 | N |  | N | ${ }^{\text {y } 18}$ | N | ข日9 | N | ข9\% | N | y1t |

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| 18:33:08 UT | SYO | 18:34:08 UT | SYO | 18:35:08 UT | SYO | 18:36:08 UT | SYO | 18:37:08 UT | SYO | 18:38:08 UT | SYO |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| w o |  | EW |  | EW |  | EW |  | EW - |  | EW - | E |
| $\begin{array}{r} \mathrm{N} \\ 18: 39: 08 \mathrm{UT} \end{array}$ | SYO | ${ }^{\text {18:40:08 }}$ U ${ }_{\text {U }}^{\text {N }}$ | SYO | 18:41:08 ${ }_{\text {U }}^{\text {NT }}$ | SYO | 18:42:08 UT ${ }_{\text {N }}$ | ${ }_{\text {S }}$ | ${ }_{\text {18:43:08 }}^{\text {UT }}$ N | SYO | 18:44:08 ${ }_{\text {NT }}^{\text {NT }}$ |  |
| w o |  | E W |  | EW - |  | E W |  | E W |  | E W | E |
| $\begin{gathered} \mathrm{N} \\ 18: 45: 08 \mathrm{UT} \end{gathered}$ |  | $\begin{gathered} \mathrm{N} \\ \text { 18:46:08 UT } \\ \mathrm{S} \end{gathered}$ | $\begin{gathered} \substack{y_{4} a_{9} \\ S_{2}} \end{gathered}$ | $\begin{aligned} & \mathrm{N} \\ & \text { N } 8: 47: 08 \mathrm{UT} \end{aligned}$ |  | $\begin{aligned} & \text { N } \\ & \text { 18:48:08 UT } \\ & \text { S } \end{aligned}$ | SYO | $\begin{aligned} & \text { N } \\ & \text { 18:49:08 UT } \end{aligned}$ | $\begin{aligned} & \text { yen } \\ & \text { ays } \\ & \text { SYO } \end{aligned}$ | 18:50:08 ${ }_{\text {UT }}^{\text {N }}$ | $\mathrm{SHO}_{\substack{\text { vis } \\ \text { asi }}}$ |
| w o |  | EW |  | EW |  | EW |  | EW |  | E W | E |
| $\begin{gathered} \mathrm{N} \\ 18: 51: 08 \mathrm{UT} \end{gathered}$ |  | $\begin{gathered} \mathrm{N} \\ \text { 18:52:08 UT } \end{gathered}$ | $\begin{aligned} & \text { and } \\ & \text { SYO } \\ & \text { SYO } \end{aligned}$ | $\begin{gathered} \mathrm{N} \\ \text { 18:53:08 UT } \end{gathered}$ |  | 18:54:08 UT ${ }_{\text {U }}$ | SYO | ${ }_{\text {18:55:08 }} \mathrm{NT}_{\text {U }}$ | SYO | 18:56:08 ${ }_{\text {U }}^{\text {N }}$ | SYO |
| w |  | EW |  | EW |  | EW |  | E W |  | E W | E |
| $\begin{gathered} \mathrm{N} \\ 18: 57: 08 \mathrm{UT} \end{gathered}$ | SYO | 18:58:08 ${ }_{\text {UT }}^{\text {N }}$ | SYO | 18:59:08 ${ }_{\text {UT }}^{\text {N }}$ | S ${ }_{\text {and }}^{\substack{218 \\ 818}}$ | 19:00:08 UT | S ${ }^{2 / 80^{2}}$ | 19:01:08 UT ${ }_{\text {U }}^{\text {N }}$ |  | 19:02:08 ${ }_{\text {UT }}^{\text {N }}$ | $\mathrm{SHO}_{\substack{\text { ata } \\ \text { ate }}}^{\text {a }}$ |
| w o |  | EW - |  | EW - |  | EW |  | E W |  | EW | E |
| $\begin{gathered} \mathrm{N} \\ \text { 19:03:09 UT } \end{gathered}$ |  | $\begin{array}{r} \mathrm{N} \\ \text { 19:04:09 UT } \\ \mathrm{S} \end{array}$ | SYO | 19:05:09 ${ }_{\text {UT }}^{\text {N }}$ | SYO | 19:06:09 ${ }_{\text {U }}^{\text {UT }}$ | SYO | 19:07:09 UT ${ }_{\text {U }}^{\text {N }}$ | SYO | 19:08:09 ${ }_{\text {UT }}^{\text {N }}$ | SYO |
| w |  | EW |  | EW - |  | EW |  | E W |  | E W | E |
| N |  | N |  | N | vil | N | \%14 | N | 919 | N | ${ }^{41} 18$ |

## Syowa Watec2 All-Sky Images 20190927-20190928



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## Syowa Watec2 All-Sky Images 20190927-20190928

| 22:45:16 UT | SYO | $22: 46: 16 \mathrm{UT}$ | SYO |  | 22:47:16 UT | SYO |  | 22:48:16 UT | SYO |  | 22:49:16 UT | SYO |  | 22:50:16 UT | SYO |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| w |  | E W |  | EW | W |  | E W | W |  | E W | W |  | E W | V | E |
| $\begin{gathered} \mathrm{N} \\ 22: 51: 16 \mathrm{UT} \end{gathered}$ |  | $\begin{gathered} \mathrm{N} \\ 22: 52: 16 \mathrm{UT} \end{gathered}$ | SYO |  | $\begin{gathered} \mathrm{N} \\ 22: 53: 16 \mathrm{UT}_{\mathrm{S}} \end{gathered}$ | SYO |  | $\begin{gathered} \mathrm{N} \\ 22: 54: 16 \\ \mathrm{UT} \\ \mathrm{~S} \end{gathered}$ | SYO |  | $\begin{gathered} \mathrm{N} \\ 22: 55: 16 \mathrm{UT} \\ \mathrm{~S} \end{gathered}$ | SYO |  | $\begin{gathered} \mathrm{N} \\ 22: 56: 16 \mathrm{UT} \\ \mathrm{~S} \end{gathered}$ |  |
| W o |  | EW - |  | E W | W ○ |  | E W | W |  | E W | W |  | E W | V 0 | E |
| $\begin{array}{r} \mathrm{N} \\ \text { 22:57:16 UT } \\ \mathrm{S} \end{array}$ | $\begin{gathered} \text { var } \\ \substack{059 \\ S Y O} \end{gathered}$ | $\begin{gathered} \mathrm{N} \\ 22: 58: 16 \mathrm{UT} \end{gathered}$ |  |  | $\begin{gathered} \mathrm{N} \\ 22: 59: 16 \mathrm{UT} \\ \mathrm{~S} \end{gathered}$ |  |  | $\begin{gathered} \mathrm{N} \\ 23: 00: 16 \text { UT } \\ \mathrm{S} \end{gathered}$ | $\mathrm{S}^{2 \cdot 6.89}$ |  | $\begin{gathered} \mathrm{N} \\ 23: 01: 16 \mathrm{UT} \\ \mathrm{~S} \end{gathered}$ |  | 23 | 23:02:16 UT ${ }_{\text {U }}$ |  |
| W o |  | EW ○ |  | E W | W ○ |  | E W | W |  | E W | W |  | E W | V | E |
| $\begin{array}{r} \mathrm{N} \\ \text { 23:03:16 UT } \\ \mathrm{S} \end{array}$ |  | 23:04:16 $\begin{array}{r}\text { U } \\ \text { S }\end{array}$ | SYO |  | 23:05:17 ${ }_{\text {UT }}^{\text {UT }}$ |  |  | 23:06:17 $\begin{gathered}\text { NT } \\ \text { S }\end{gathered}$ |  |  | 23:07:17 ${ }_{\text {UT }}^{\text {NT }}$ | $\begin{aligned} & \text { ye9 } \\ & \text { SYB } \\ & \text { SYO } \end{aligned}$ |  | 3:08:17 ${ }_{\text {UT }}^{\text {UT }}$ | $\begin{aligned} & \begin{array}{c} \text { yan } \\ \text { ag9 } \\ \text { SYO } \end{array} \end{aligned}$ |
| W o |  | EW - |  | E W | W |  | E W | N |  | E W | W |  | E W | V | E |
| $\begin{array}{r} \mathrm{N} \\ \text { 23:09:17 UT } \end{array}$ |  | 23:10:17 UT $\begin{array}{r}\text { N } \\ \text { S }\end{array}$ | SYO |  | 23:11:17 $\begin{array}{r}\text { NT } \\ \text { S }\end{array}$ |  |  | N3:12:17 UT | SYO |  | 23:13:17 $\begin{array}{r}\text { NT } \\ \text { S }\end{array}$ | $\begin{aligned} & \text { Sy9 } \\ & \text { SYO } \end{aligned}$ |  | 23:14:17 UT | SYO |
| W o |  | EW - |  | E W | W ○ |  | E W | W - |  | E W | W |  | E W | V | E |
| $\begin{array}{r} \mathrm{N} \\ \text { 23:15:17 UT } \end{array}$ |  | 23:16:17 $\begin{gathered}\text { NT } \\ \text { S }\end{gathered}$ | SYO |  | 23:17:17 $\begin{array}{r}\text { NT } \\ \text { S }\end{array}$ |  |  | \%3:18:17 $\begin{array}{r}\text { NT } \\ \text { S }\end{array}$ | SYO |  | 23:19:17 ${ }_{\text {UT }}^{\text {UT }}$ | SYO |  | 23:20:17 $\begin{gathered}\text { NT } \\ \text { S }\end{gathered}$ |  |
| W o |  | EW ○ |  | E W | W ○ |  | E W | W ○ |  | E W | W ○ |  | E W | V 0 | E |
| N | บ98 | N | \% ${ }^{\text {90\% }}$ |  | N |  |  | N | V99\% |  | N | ข ${ }^{\text {\% }}$ 9 |  | N | ข99 |

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