

ASAS JMH  
230000UTC AUG.2016  
SURFACE ANALYSIS

EXPLANATORY NOTES

[TW] TYPHOON WARNING  
[SW] STORM WARNING  
[GW] GALE WARNING  
[W] WARNING (NEAR GALE)  
FOG[W] WARNING (DENSE FOG)

[GW] or [SW] AREA FOG[W] AREA

AREA OF POSSIBLE POSITION (70% PROBABILITY)

SCALE IN NAUTICAL MILES

LATITUDE 60N 40N 20N EQ 0 100 200 300 400 500 600 NAUTICAL MILES

1004 ALMOST STNR

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1014 ALMOST STNR

1022 ALMOST STNR

1026 ALMOST STNR

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SURFACE ANALYSIS

EXPLANATORY NOTES

[TW] TYPHOON WARNING  
[SW] STORM WARNING  
[GW] GALE WARNING  
[W] WARNING (NEAR GALE)  
FOG[W] WARNING (DENSE FOG)

[GW] or [SW] AREA FOG[W] AREA

AREA OF POSSIBLE POSITION  
(70% PROBABILITY)

SCALE IN NAUTICAL MILES

LATITUDE  
60N  
40N  
20N  
EQ  
0 100 200 300 400 500 600  
NAUTICAL MILES

1004 ALMOST STNR

1010

1014 ALMOST STNR

1022 ALMOST STNR

1026 ALMOST STNR

STS 1609 MINIDULE (1609)  
992 hPa  
43.6N 143.0E PSN GOOD  
MNE 35 KT  
MAX WINDS 50 KT  
GUST 70 KT  
OVER 30 KT WITHIN 130 NM E-SEMICIRCLE  
90 NM ELSEWHERE

STS 1610 LIONROCK (1610)  
985 hPa  
28.1N 154.4E PSN FAIR  
SE SLOWLY  
MAX WINDS 50 KT NEAR CENTER  
GUST 70 KT  
EXPECTED MAX WINDS 65 KT NEAR CENTER  
FOR NEXT 24 HOURS  
EXPECTED GUST 95 KT  
OVER 30 KT WITHIN 120 NM SE-SEMICIRCLE  
90 NM ELSEWHERE

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SURFACE ANALYSIS  
JAPAN METEOROLOGICAL AGENCY TOKYO

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**SURFACE ANALYSIS**

**EXPLANATORY NOTES**

- [TW] TYPHOON WARNING
- [SW] STORM WARNING
- [GW] GALE WARNING
- [W] WARNING (NEAR GALE)
- FOG[W] WARNING (DENSE FOG)

[GW] or [SW] AREA      FOG[W] AREA

CIRCLE: AREA OF POSSIBLE POSITION  
(70% PROBABILITY)

**SCALE IN NAUTICAL MILES**

| LATITUDE | 0 | 100 | 200 | 300 | 400 | 500 | 600 |
|----------|---|-----|-----|-----|-----|-----|-----|
| EQ       |   |     |     |     |     |     |     |
| 20N      |   |     |     |     |     |     |     |
| 40N      |   |     |     |     |     |     |     |
| 60N      |   |     |     |     |     |     |     |

**STATION DATA:**

- STS 1609 MINIDULLE (1609)  
992 hPa  
43.8°N 143.8°E PSN GOOD  
MINE 35 KT  
MAX WINDS 50 KT  
GUST 70 KT WITHIN 130 NM E-SEMICIRCLE  
OVER 30 KT WITHIN 90 NM ELSEWHERE
- STS 1610 LIONROCK (1610)  
985 hPa  
28.1°N 154.4°E PSN FAIR  
SE SLOWLY  
MAX WINDS 50 KT NEAR CENTER  
GUST 70 KT  
EXPECTED MAX WINDS 65 KT NEAR CENTER  
FOR NEXT 24 HOURS  
EXPECTED GUST 95 KT  
OVER 30 KT WITHIN 120 NM SE-SEMICIRCLE  
90 NM ELSEWHERE

**Other Labels:** ALMOST STRR, FOG[W], SW, SLW, 1004, 1010, 1014, 1022, 1026, 240000Z, 231200Z.

**Bottom Right Corner:**  
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FOG [W] WARNING (DENSE FOG)

[GW] or [SW] AREA FOG [W] AREA

AREA OF POSSIBLE POSITION (70% PROBABILITY)

SCALE IN NAUTICAL MILES

LATITUDE 60N 40N 20N EQ 0 100 200 300 400 500 600 NAUTICAL MILES

1004 ALMOST STNR

1026 ALMOST STNR

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992 hPa  
43.6N 143.0E PSN GOOD  
MNE 35 KT  
MAX WINDS 50 KT  
GUST 70 KT  
OVER 30 KT WITHIN 130 NM E-SEMICIRCLE  
90 NM ELSEWHERE

STS 1610 LIONROCK (1610)  
985 hPa  
28.1N 134.4E PSN FAIR  
SE SLOWLY  
MAX WINDS 50 KT NEAR CENTER  
GUST 70 KT  
EXPECTED MAX WINDS 65 KT NEAR CENTER  
FOR NEXT 24 HOURS  
EXPECTED GUST 95 KT  
OVER 30 KT WITHIN 120 NM SE-SEMICIRCLE  
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(70% PROBABILITY)

SCALE IN NAUTICAL MILES

LATITUDE  
60N  
40N  
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NAUTICAL MILES

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90 NM ELSEWHERE

STS 1610 LIONROCK (1610)  
985 hPa  
28.1N 154.4E PSN FAIR  
SE SLOWLY  
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**EXPLANATORY NOTES**

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- [GW] or [SW] AREA
- FOG [W] AREA
- CIRCLE: AREA OF POSSIBLE POSITION (70% PROBABILITY)

**SCALE IN NAUTICAL MILES**

| LATITUDE | 0 | 100 | 200 | 300 | 400 | 500 | 600 |
|----------|---|-----|-----|-----|-----|-----|-----|
| EQ       |   |     |     |     |     |     |     |
| 20N      |   |     |     |     |     |     |     |
| 40N      |   |     |     |     |     |     |     |
| 60N      |   |     |     |     |     |     |     |

**STATION REPORTS:**

- STS 1609 MINIDULLE (1609):** 992 hPa, 43.8°C PSN GOOD, WIND 35 KT, MAX WINDS 50 KT, GUST 70 KT WITHIN 130 NM E-SEMICIRCLE, OVER 30 KT WITHIN 90 NM ELSEWHERE.
- STS 1610 LIONROCK (1610):** 985 hPa, 28.1°C, 13.4E PSN FAIR, SE SLOWLY, MAX WINDS 50 KT NEAR CENTER, EXPECTED MAX WINDS 65 KT NEAR CENTER FOR NEXT 24 HOURS, EXPECTED GUST 95 KT OVER 30 KT WITHIN 120 NM SE-SEMICIRCLE, 90 NM ELSEWHERE.

**PRESSURE SYSTEMS:**

- 1004 ALMOST STNR:** Low pressure system near Japan.
- 1010:** Low pressure system south of Japan.
- 1014:** Low pressure system further east.
- 1022:** High pressure system north of Japan.
- 1026:** High pressure system further east.

**Other Features:**

- SLW 1004:** Surface Low Pressure system.
- FWG [W], SW, GW:** Various weather warnings and forecasts.
- ISOBARS:** Lines of equal pressure (e.g., 1000, 1010, 1020).
- TEMPERATURES AND HUMIDITIES:** Plotted at various stations.
- WINDS AND WAVES:** Indicated by arrows and numbers.

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AREA OF POSSIBLE POSITION (70% PROBABILITY)

SCALE IN NAUTICAL MILES

LATITUDE

60N  
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20N  
EQ  
0 100 200 300 400 500 600  
NAUTICAL MILES

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(70% PROBABILITY)

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NAUTICAL MILES

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STS 1609 MINIDULE (1609)  
992 hPa  
43.6N 143.0E PSN GOOD  
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GUST 70 KT  
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90 NM ELSEWHERE

STS 1610 LIONROCK (1610)  
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SURFACE ANALYSIS

EXPLANATORY NOTES

[TW] TYPHOON WARNING  
[SW] STORM WARNING  
[GW] GALE WARNING  
[W] WARNING (NEAR GALE)  
FOG[W] WARNING (DENSE FOG)

[GW] or [SW] AREA FOG[W] AREA

AREA OF POSSIBLE POSITION  
(70% PROBABILITY)

SCALE IN NAUTICAL MILES

LATITUDE  
60N  
40N  
20N  
EQ  
0 100 200 300 400 500 600  
NAUTICAL MILES

1004 ALMOST STNR

1010

1014 ALMOST STNR

1022 ALMOST STNR

1026 ALMOST STNR

STS 1609 MINIDULE (1609)  
992 hPa  
43.6N 143.0E PSN GOOD  
MNE 35 KT  
MAX WINDS 50 KT  
GUST 70 KT  
OVER 30 KT WITHIN 130 NM E-SEMICIRCLE  
90 NM ELSEWHERE

STS 1610 LIONROCK (1610)  
985 hPa  
28.1N 154.4E PSN FAIR  
SE SLOWLY  
MAX WINDS 50 KT NEAR CENTER  
GUST 70 KT  
EXPECTED MAX WINDS 65 KT NEAR CENTER  
FOR NEXT 24 HOURS  
EXPECTED GUST 95 KT  
OVER 30 KT WITHIN 120 NM SE-SEMICIRCLE  
90 NM ELSEWHERE

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**EXPLANATORY NOTES**

- [TW] TYPHOON WARNING
- [SW] STORM WARNING
- [GW] GALE WARNING
- [W] WARNING (NEAR GALE)
- FOG [W] WARNING (DENSE FOG)

[GW] or [SW] AREA      FOG [W] AREA

CIRCLE: AREA OF POSSIBLE POSITION (70% PROBABILITY)

**SCALE IN NAUTICAL MILES**

| LATITUDE | 0 | 100 | 200 | 300 | 400 | 500 | 600 |
|----------|---|-----|-----|-----|-----|-----|-----|
| EQ       |   |     |     |     |     |     |     |
| 20N      |   |     |     |     |     |     |     |
| 40N      |   |     |     |     |     |     |     |
| 60N      |   |     |     |     |     |     |     |

**STS 1609 MINIDULLE (1609)**  
992 hPa  
43.6N 143.8E PSN GOOD  
MINE 35 KT  
MAX WINDS 50 KT  
GUST 70 KT  
OVER 30 KT WITHIN 130 NM E-SEMICIRCLE  
90 NM ELSEWHERE

**STS 1610 LIONROCK (1610)**  
985 hPa  
28.1N 134.4E PSN FAIR  
SE SLOWLY  
MAX WINDS 50 KT NEAR CENTER  
GUST 70 KT  
EXPECTED MAX WINDS 65 KT NEAR CENTER  
FOR NEXT 24 HOURS  
EXPECTED GUST 95 KT  
OVER 30 KT WITHIN 120 NM SE-SEMICIRCLE  
90 NM ELSEWHERE

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