

2023 WMO Workshop: Analysis of Aircraft Reconnaissance Data Exercise

Please give your best estimate of the TC intensity and provide justification.

968

UZNT13 KWBC 252322

XXAA 75237 99134 70486 04138 99951 23405 01604 00944 // // //

92241 22202 02127 85980 20803 09082 70652 16448 12580 88999 77999

31313 09608 82257

61616 NOAA2 WB18A SAM OB 18

62626 EYEWALL 045 MBL WND 04113 AEV 30406 DLM WND 08576 950695 WL

150 02107 083 REL 1342N04860W 225807 SPG 1340N04872W 230305 =

XXBB 75238 99134 70486 04138 00951 23405 11850 20803 22775 17404

33723 18050 44688 15444

21212 00951 01604 11932 02110 22927 02119 33921 03140 44917 03630

55915 04141 66914 04132 77910 05165 88908 06155 99906 08112 11905

07625 22902 08104 33901 08098 44900 07607 55899 09092 66892 08592

77885 09081 88879 08585 99876 08577 11869 09072 22864 09574 33859

09083 44850 09082 55695 12578

31313 09608 82257

61616 NOAA2 WB18A SAM OB 18

62626 EYEWALL 045 MBL WND 04113 AEV 30406 DLM WND 08576 950695 WL

150 02107 083 REL 1342N04860W 225807 SPG 1340N04872W 230305 =

364

UZNT13 KWBC 252332

XXAA 75238 99132 70487 04138 99984 24808 22095 00642 // // //

92542 21406 26100 85275 18400 28091 70923 10800 88999 77999

31313 09608 82301

61616 NOAA2 WB18A SAM OB 21

62626 EYEWALL 225 MBL WND 24598 AEV 30406 DLM WND 27089 983702 WL

150 23095 081 REL 1320N04873W 230206 SPG 1319N04862W 230626 =

XXBB 75238 99132 70487 04138 00984 24808 11850 18400 22698 10400

21212 00984 22095 11980 22592 22972 23595 33964 24106 44958 24601

55952 25103 66945 24598 77928 26101 88892 26590 99883 26591 11868

27098 22850 28091 33702 29583

31313 09608 82301

61616 NOAA2 WB18A SAM OB 21

62626 EYEWALL 225 MBL WND 24598 AEV 30406 DLM WND 27089 983702 WL

150 23095 081 REL 1320N04873W 230206 SPG 1319N04862W 230626 =

572

UZNT13 KWBC 260012

XXAA 76007 99133 70487 04138 99956 24007 11162 00900 // // //

92285 22201 12674 85022 20202 16615 70687 14012 22096 88999 77999

31313 09608 82356

61616 NOAA2 WB18A SAM OB 27

62626 EYEWALL 135 MBL WND 13158 AEV 30406 DLM WND 16605 955699 WL

150 11661 082 REL 1335N04870W 235615 SPG 1349N04873W 000053 =

XXBB 76008 99133 70487 04138 00956 24007 11850 20202 22719 14402

33692 14625

21212 00956 11162 11954 11161 22953 11167 33951 11668 44936 12647

55925 12674 66921 13169 77916 14171 88910 14162 99905 14144 11903

14139 22894 14644 33889 15632 44879 16122 55871 15624 66866 15613

77862 16121 88856 16113 99850 16615 11699 22096

31313 09608 82356

61616 NOAA2 WB18A SAM OB 27

62626 EYEWALL 135 MBL WND 13158 AEV 30406 DLM WND 16605 955699 WL

150 11661 082 REL 1335N04870W 235615 SPG 1349N04873W 000053 =

291

UZNT13 KWBC 260030

XXAA 76008 99135 70488 04138 99966 23806 32134 00805 // // //

92379 21603 34647 85113 19603 02629 70773 // // // 88999 77999

31313 09608 82358

61616 NOAA2 WB18A SAM OB 31

62626 EYEWALL 315 MBL WND 34146 AEV 30406 DLM WND 02617 965706 WL

150 33137 081 REL 1352N04883W 235858 SPG 1338N04890W 000337 =

XXBB 76008 99135 70488 04138 00966 23806 11850 19603 22701 12600

21212 00966 32134 11963 32141 22959 32632 33950 34146 44946 34157

55942 34161 66936 34155 77932 34656 88922 35145 99916 35143 11911

35148 22905 35639 33894 00645 44885 01133 55877 01643 66868 02132

77858 02634 88850 02629 99826 04135 11819 04129 22818 05115 33817

05625 44816 05116 55812 03622 66786 04111 77755 05131 88706 06635

31313 09608 82358

61616 NOAA2 WB18A SAM OB 31

62626 EYEWALL 315 MBL WND 34146 AEV 30406 DLM WND 02617 965706 WL

150 33137 081 REL 1352N04883W 235858 SPG 1338N04890W 000337 =

498

URNT12 KWBC 252321  
VORTEX DATA MESSAGE AL182021  
A. 25/22:59:16Z  
B. 13.34 deg N 048.64 deg W  
C. 700 MB 2638 m  
D. 946 mb  
E. 200 deg 16 kt  
F. CLOSED  
G. C13  
H. 136 kt  
I. 031 deg 6 nm 22:57:47Z  
J. 123 deg 139 kt  
K. 031 deg 8 nm 22:57:16Z  
L. 103 kt  
M. 214 deg 6 nm 23:00:53Z  
N. 287 deg 103 kt  
O. 214 deg 6 nm 23:00:46Z  
P. 10 C / 3068 m  
Q. 20 C / 3057 m  
R. 6 C / NA  
S. 1245 / 7  
T. 0.01 / 1 nm  
U. NOAA2 WB18A SAM OB 17  
MAX FL WIND 139 KT 031 / 8 NM  
22:57:16Z

109

URNT12 KWBC 260025  
VORTEX DATA MESSAGE AL182021  
A. 25/23:57:03Z  
B. 13.41 deg N 048.74 deg W  
C. 700 MB 2641 m  
D. 945 mb  
E. 95 deg 24 kt  
F. CLOSED  
G. C9  
H. 115 kt  
I. 151 deg 5 nm 23:56:00Z  
J. 223 deg 118 kt  
K. 152 deg 6 nm 23:55:43Z  
L. 144 kt  
M. 324 deg 8 nm 23:58:47Z  
N. 067 deg 132 kt  
O. 324 deg 8 nm 23:58:49Z  
P. 10 C / 3067 m  
Q. 20 C / 3058 m  
R. 6 C / NA  
S. 1245 / 7  
T. 0.01 / 2.5 nm  
U. NOAA2 WB18A SAM OB 30  
MAX FL WIND 139 KT 031 / 8 NM  
22:57:16Z

### Eyewall Low-Level Wind Reduction Factors

