

HFUS 3 BOU 020500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 153A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0500Z 02 JUNE 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE WITH NO SIGNIFICANT CHANGES NOTED IN DISK OR LIMB FEATURES. ONE C-6 XRAY EVENT WAS NOTED AT ABOUT

0310Z APPARENTLY ASSOCIATED WITH A SF FLARE IN REGION 1131 (N24W45).

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO OCCASIONALLY UNSETTLED THE PAST 8 HOURS. NO CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 02 JUN-04 JUN

CLASS M 60/50/50

CLASS X 10/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JUNE 145

PREDICTED 02-04 JUNE 144/144/143

90-DAY MEAN 01 JUNE 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 MAY 16

ESTIMATED AFR/AP 01 JUNE 12/22

PREDICTED AFR/AP 02-04 JUNE 12/12 - 12/12 - 14/14

SOLTERWARN

NOTICE-

TERMINATION OF THIS SECONDARY REPORT IS BEING CONSIDERED IN ORDER TO SATISFY OPERATIONAL CONSTRAINTS. ALL INTERESTS WHO WOULD BE ADVERSELY AFFECTED BY THIS PROPOSED ACTION ARE URGED TO CONTACT THE BOULDER CENTER (SESC/OL-B, AFGWC) IMMEDIATELY.

COMMERCIAL (303) 499-1000, X3171

FTS 323-3171

AUTOVON 926-1110, 499-1000, X-3171

PROPOSED ACTION WOULD BE EFFECTIVE 15 JUNE 1978.

BT

SDF NUMBER 153B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 02 JUNE 1973

IA. SOLAR ACTIVITY HAS BEEN CONTINUED TO SUBFLARES WITH CLASS C
X-RAY BURST DURING THE PAST EIGHT HOURS. REGIONS 1131 (N24W54),
1134 (N21W28) AND 1136 (S17W73) ARE RESPONSIBLE FOR THIS LOW
ENERGY ACTIVITY AND THEIR PRESENT BEHAVIOR INDICATES THAT FURTHER
ACTIVITY CAN BE EXPECTED. SMALL SURGES ARE BEING NOTED NEAR SW20
WHERE REGION 1136 IS APPROACHING THE LIMB. REGION 1139 (S17W52)
IS GROWING SLOWLY AND IS PROBABLY A C-TYPE SPOT GROUP.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE DURING THE NEXT 24
HOURS.

II. THE GEOMAGNETIC FIELD EXPERIENCED MINOR STORM CONDITIONS IN
NIGHTTIME SECTORS DURING THE PAST 12 HOURS. A GRADUAL ABATEMENT
OF THE DISTURBANCE IS EXPECTED DURING THE NEXT 12 HOURS WITH
GENERALLY UNSETTLED TO ACTIVE CONDITIONS PREVAILING. ABSORPTION
IN THE POLAR CAP CONTINUES AND THE 10 NEW PARTICLE CHANNEL
OBSERVED FLUXES GREATER THAN 10 PARTICLES CM²/SEC/STER FROM
020730Z UNTIL 020920Z. THE PARTICLES HAVE DECLINED SHARPLY SINCE
THAT TIME BUT THE ABSORPTION IN THE POLAR ZONE CONTINUES TO
FLUCTUATE. THE DECLINE OF THIS SMALL EVENT IS EXPECTED TO CONTINUE
DURING THE NEXT 12 HOURS.

III. EVENT PROBABILITIES 02 JUN-04 JUN

CLASS M 50/50/50

CLASS X 10/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JUNE 145

PREDICTED 02-04 JUNE 144/144/143

90-DAY MEAN 01 JUNE 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 MAY 16

ESTIMATED AFR/AP 01 JUNE 12/22

PREDICTED AFR/AP 02-04 JUNE 20/20 - 15/15 - 10/10

SOLTERWARN

NOTICE-

TERMINATION OF THIS SECONDARY REPORT IS BEING CONSIDERED IN ORDER TO
SATISFY OPERATIONAL CONSTRAINTS. ALL INTERESTS WHO WOULD BE ADVERSELY
AFFECTED BY THIS PROPOSED ACTION ARE URGED TO CONTACT THE BOULDER
CENTER (SESC/OL-B, AF3WC) IMMEDIATELY.

COMMERCIAL (303) 499-1000, X3171

FTS 323-3171

AUTOVON 926-1110, 499-1000, X-3171

PROPOSED ACTION WOULD BE EFFECTIVE 15 JUNE 1973.

CONSIDERATION WILL BE GIVEN TO REPLACING THE SECONDARY REPORT WITH
AN ABBREVIATED SUPPLEMENTAL LIST OF SIGNIFICANT ACTIVITY IF CUSTOMER
DEMAND WARRANTS.

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HFUS 1 BOW 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 153

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0200Z 2 JUNE 1978

IA. SOLAR ACTIVITY HAS BEEN GENERALLY LOW DURING THE PAST 24 HOURS. REGION 1134 (N22W35) APPEARS TO BE THE ONLY REGION WITH SUSTAINED GROWTH AND DEVELOPMENT; HOWEVER, REGION 1131 (N26W60) WHILE NOT GROWING, IS PRODUCING SUBFLARE ACTIVITY. BOTH OF THESE REGIONS APPEAR AS LIKE-
LY CANDIDATES FOR ENERGETIC ACTIVITY. TWO REGIONS DEVELOPED ON THE DISK SINCE YESTERDAY, REGION 1144 (N15E08) AND 1145.

(S21E22) AND OLD 1105 HAS ROTATED BACK ON THE DISK AT N19 E75 AND IS NUMBERED 1146. NO OTHER SIGNIFICANT CHANGES HAVE BEEN NOTED.

IB. SOLAR ACTIVITY WILL BE LOW WITH POSSIBLE PERIODS OF MODERATE ACTIVITY DURING THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN AT MINOR TO MAJOR STORM LEVELS SINCE 020900Z. A GRADUAL DECLINE IN THE DISTURBANCE IS EXPECTED OVER THE NEXT 24 HOURS WITH GENERALLY ACTIVE CONDITIONS ON 3 MAY.

BETWEEN 020730Z AND 020920Z, THE GREATER THAN 10 MEV PARTICLE FLUXES EXCEEDED EVENT CRITERIA WITH A MAXIMUM OF 19 PARTICLES/CM2/SEC/STER BEING OBSERVED. POLAR CAP ABSORPTION WAS OBSERVED UNTIL 021415Z WITH THE MAXIMUM OF 1.8 DB OCCURRING AT 020545Z.

III. EVENT PROBABILITIES 03-05 JUNE

CLASS M 55/50/50

CLASS X 05/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 JUNE 145

PREDICTED

03-05 JUNE 144/143/142

90-DAY MEAN

02 JUNE 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 JUNE 13

ESTIMATED AFR/AP 02 JUNE 43/35

PREDICTED AFR/AP 03-05 JUNE 15/15 - 10/10 - 15/15

SOLTERWARN

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