

HFUS 3 BOU 050500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 217A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 05 AUG 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST EIGHT HOURS ALTHOUGH
TWO C-CLASS X-RAY EVENTS FROM REGION 861 (N23E55) HAVE OCCURRED.

IB. SOLAR ACTIVITY WILL REMAIN GENERALLY VERY LOW ALTHOUGH REGION
861 WILL PROBABLY PRODUCE C-CLASS X-RAY EVENTS WITH A SLIGHT
POSSIBILITY OF AN M CLASS EVENT.

II. GEOMAGNETIC FIELD HAS BEEN UNSETTLED THE PAST 8 HOUR PERIOD
AND IS EXPECTED TO CONTINUE UNSETTLED THE NEXT EIGHT HOURS.

III. EVENT PROBABILITIES 05-07 AUG

CLASS M 10/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 AUG 81

PREDICTED 05-07 AUG 82/83/84

90-DAY MEAN 04 AUG 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 AUG 09

ESTIMATED AFR/AP 04 AUG 10/11

PREDICTED AFR/AP 05-07 AUG 10/10 - 11/13 - 11/13

SOLTERWARN

ATTN DR BENZ-ARECIBO

URANJ 85304 70804 01415 00060 05006

URANJ 85304 70804 02695 00060 08406

URANJ 85304 70804 04995 00060 12106

URANJ 85304 70804 00720 22240 04424

URANJ 85304 70804 01415 22240 05424

URANJ 85304 70804 02695 22240 08324

URANJ 85304 70804 04995 22240 12324

URALN 85304 70804 00692 24014 17085 07035 08015 18085

URALN 85304 70804 01415 24016 37093 07065 17035 18013 18068

18090

UPATV 85303 04322 00072 21640

URASP 85303 70804 06383 00070

URASP 85303 70804 06383 22241 20400 32252 12253

URANJ 85303 70804 00043 00050

URANJ 85303 70804 00080 00050

URANJ 85303 70804 00160 00050

URANJ 85303 70804 00043 23240

URANJ 85303 70804 00080 23240

URANJ 85303 70804 00160 23240

USSPS 85303 04235 02611 63035 15823 59416

UFLAE 85303 70804 16023 07050 72210 22210 82214

16023 07070 72230 22231 82240

PLAIN

CULGOORA MORNING REPORT 04/2138-2400Z AUG 1977

POOR OBSERVING CONDITIONS WITH CLOUDS AND PERIODS OF BAD SEEING.

TWO SUBFLARES HAVE OCCURRED IN THE TRAILING SECTION OF REGION

861 (N23E58) ALONG WITH CONSTANT PLAGE FLUCTUATIONS. NUMEROUS

SPOTS HAVE APPEARED OVERNIGHT IN THE TRAILING SECTION, AND

THE REGION IS TENDING TOWARD FILLING IN WITH PENUMBRA. THE MAG-

NETIC STRUCTURE IS NOT CLEAR. MINOR DOPPLER-SHIFTED FEATURES

HAVE BEEN NOTED. THE REGIONS RAPID GROWTH SUGGESTS THAT FLARE

ACTIVITY MAY INCREASE. OTHER REGIONS AND THE LIMBS ARE UNIMPRESSIVE.

THE ONLY RF ACTIVITY RECORDED SO FAR WAS A WEAK TYPE THREE BURST.

BT

HFUS 3 BOU 051500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 217B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 05 AUGUST 1977

IA. SOLAR ACTIVITY HAS BEEN LOW TO OCCASIONALLY MODERATE DURING
THE PAST TEN HOURS. REGION 861 (N24E52) HAS CONTINUED TO GROW
AND PRESENTLY DISPLAYS A COMPLEX N-S NEUTRAL LINE WITH KINKS.
A D-TYPE SPOT GROUP WITH 17 SPOTS IS PRESENTLY OBSERVED. AN M2
X-RAY EVENT OCCURRED AT 1408Z AND SEVERAL C-CLASS X-RAY EVENTS
HAVE BEEN REPORTED DURING THE PAST TEN HOURS. OTHER DISK AND
LIMB FEATURES APPEAR QUIET AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW WITH A GOOD CHANCE
OF C-CLASS EVENTS AND A SLIGHT CHANCE OF M-CLASS EVENTS. REGION
861 IS EXPECTED TO CONTINUE DEVELOPMENT.

II. THE GEOMAGNETIC FIELD HAS BEEN AT MINOR STORM LEVELS DURING
THE LAST TEN HOURS AND IS EXPECTED TO BE GENERALLY ACTIVE DURING
THE REMAINDER OF THE ZULU DAY.

III. EVENT PROBABILITIES 05-07 AUG

CLASS M 25/30/40

CLASS X 01/05/05

PROTON 01/01/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 AUG 81

PREDICTED 05-07 AUG 85/87/89

90-DAY MEAN 04 AUG 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 AUG 09

ESTIMATED AFR/AP - 04 AUG 10/14

PREDICTED AFR/AP 05-07 AUG 20/25 - 15/25 - 12/20

SOLTERWARN