

12 METER MILLIMETER WAVE TELESCOPE

MEMO No. 188

RTAUZYUW RUWTEKA5783 2302334-UUUU--RUEOFFL

ZNR UUUUU

R 182030Z AUG 82

FM SCD OFFUTT AFB NE//OSS//

TO ZEN/1ACOMMG OFFUTT AFB NE//DONJC//

RUEOAWA/2045CG BRANDYWINE MD//DET 2/PCC//

RHFIAAA/33CG MARCH AFB CA/LGMI//

RUEOFFL/LINCOLN LABS LEXINGTON MA//GP 68//

INFO RHCUABA/HQ AFCC SCOTT AFB ILV/XOS//

BT

UNCLAS

SUBJ: NATIONAL RADIO ASTRONOMY OBSERVATORY ACCESS TO LES 8/9
1. LINCOLN LABS, DR. WARD, HAS ADVISED OF A REQUIREMENT FOR LES 8/9 SUPPORT FOR THE NATIONAL RADIO ASTRONOMY OBSERVATORY (NRAO). THEY WILL EMPLOY A TWO-CHANNEL LES 8/9 RECEIVER TO MEASURE THE NEW 12-METER DIAMETER SURFACE OF A MILLI-METER RADIO TELESCOPE ON KITT PEAK, ARIZONA. THEY WILL USE THE LES 8/9 SATELLITES IN THE CW MODE AT K-BAND AS A SOURCE FOR AN INTERFEROMETRIC MEASUREMENT.
2. THE NRAO ENVISIONS TWO FOUR-HOUR SESSIONS SEPARATED BY SEVERAL WEEKS IN JUNE 83 FOR SYSTEM ORIENTATION AND INITIAL MEASUREMENT. SEVERAL MONTHS LATER THEY WILL NEED AN EIGHT TO TEN HOUR SESSION IN ORDER TO EVALUATE THE 12-METER SURFACE AT SEVERAL ELEVATION ANGLES.

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A SINGLE FOUR TO FIVE HOUR SESSION ONCE A YEAR AFTER THAT WOULD BE REQUIRED FOR SURFACE MAINTENANCE.

3. THIS MESSAGE CONSTITUTES AUTHORITY FOR THE NRAO ACCESS TO THE LES 8/9 SATELLITES.

4. FOR LINCOLN LABS UNCLASSIFIED PROCEDURES FOR ACCESSING THE LES 8/9 SATELLITE WILL BE FORWARDED TO NRAO UNDER SEPARATE COVER. THESE PROCEDURES WILL BE USED BY THE NRAO TO REQUEST ACCESS TIME DIRECT FROM OUR PRIMARY CONTROL CENTER.

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