

National Radio Astronomy Observatory

12-meter Telescope Meeting No. 25

January 19, 1982

1. Present:
 - CV: H. Hvatum, L. King, W-Y. Wong
 - GB: F. Crews, M. Haynes, R. Lacasse, R. Moore,
J. Ralston, S. Smith, G. Peery
 - SOC: W. Horne
 - TUC: M. Balister, M. Gordon, D. Ross, D. Webb

2. Memos:
 - 109 OK
 - 110 OK
 - 111 WYW--can the panels be adjusted to 30 μ m?
WH thinks can since he is using fine thread on
adjusting screws. Tests are scheduled for GB
to see what can be done.
 - 112 Thought covered work for GB very thoroughly,
including his--WH.
 - 113 OK
 - 114 OK
 - 115 OK

3. Panels or surface plates:

Contract proceeding very well. Data received on 60 panels. All well inside specs except 2. Memo summarizing results coming.

HH to visit plant this week to check, and if everything is in order he will sign for panels and advise GB when they can be scheduled for shipment.

HH will request they pull 2 to 4 panels and remeasure to check measurements for repeatability. Panels will be chosen at random from those previously measured.

Discussed other checks for repeatability and measurement errors. Agreed these were beyond scope of contract and would cost extra and could not be asked for.

HH will check that tooling holes on center line of panels are on panels--these to be used by WH for aligning panels.

4. Reference jig:

On order, with scheduled delivery for February 22, 1982.

5. Template:

WYW to go to GB to work out installation, alignment and position of transducers on the template. This is a very difficult and time-consuming task. He will be assisted by JR and SS.

6. BUS:

Contract has been awarded.
 Delivery scheduled for April 26.
 Payment schedule submitted appears OK.
 Work schedule uses full 16 weeks of contract.
 WH to contact contractor and see if they will speed up schedule to improve delivery by three weeks promised during negotiations.
 Data on welding materials have been submitted and are in order.

7. Green Bank manpower:

Hoping to meet schedules--still uncertain until full picture of what, when, etc., is to be done in GB.

8. Electronics interface:

Looks OK--DR.
 DR to send WH and LK data on his proposed mounting of receivers next week for their help.
 Receivers to be mounted horizontally.
 Both old and new in same mounting.
 800 pounds expected weight of receivers.

9. Schedule:

Reviewed Memo 103 - PERT looking for some way of improving schedule to get an earlier finishing date

Some suggested possibilities:

12080-12090 - measure and test surface in GB
 12105-12110 - shut down 36-ft
 12110-12120 - remove old reflector
 12140-12150 - install panels
 12170-12175 - test system

10. Inductosyns:

Plates on order scheduled for delivery June 1982.
 Inductosyns scheduled for installation in 1983 after complete evaluation of new surface with old readout system.