

National Radio Astronomy Observatory

12-Meter Telescope Meeting No. 23

December 15, 1981

1. Present: CV - J. Findlay, J. Marymor, L. King, M. Balister, W-Y. Wong  
GB - M. Haynes, R. Moore, J. Ralston, F. Crews, R. Lacasse,  
T. Hamed, G. Peery  
SOC - W. Horne  
TUC - D. Webb, J. Payne, D. Ross, P. Rhodes  
Oslo - H. Hvatum

## 2. Memos:

100 &amp; 101. OK

102 WH - Will the computer handle the repeatable errors  
corrections? JP - Yes.103 Note new finish date January 1983. Hold for HH review  
after BUS contract settled.104 Note 36 $\mu$ m surface accuracy--very good--yes even  
eliminating the average error correction the surface  
accuracy is within specs--WH. WYW to put this data in 360  
and on all other panels as received and plot contours with  
Cal-Comp plot. Best fit or individual focal lengths might  
be considered later.105 Confirms need for lateral movement and previous discussion  
- JP.

## 3. BUS:

Received two more prices; one within budget and the other one out of reason. A third one yet to come. Will wait for third price before making any decision. WH & JM have talked to the low bidder by telephone and have the impression they can do the job. Someone will visit the low bidder before contract is awarded. JM thinks contract can be awarded by January 1. The estimated delivery is 16 weeks.

Feed legs to be lengthened to provide 5-1/2 inches more space than now shown, between the focal point and the apex structure. The focal length is to remain 200 inches. The additional space is needed for the lateral movement system and the subreflector support. LK to change drawings and send to Tucson for review and for use in preparing the BUS contract.

4. Surface:

ESSCO - Wants letter confirming verbal discussions with reference to accepting panels. JM to handle after getting a memo from JWF.

ESSCO - Wants extra dollars for steel shipping frame proposed in their letter of September 24, 1981 (Memo 81). We interpret the letter to mean the frame submitted was the one included in their contract price. JM to handle.

ESSCO - Proposed support for panels needs improving. WH to design a support, have 8 made and sent to Green Bank for test and evaluation on the old ESSCO panel we have.

Reference Jig - We are to continue searching for an outside source. GP to follow up. Make decision around January 1, 1982 if purchase order to be placed. We have one reasonable quote for \$4,830 in hand.

5. Inductosyns:

M. Balister asked that we order plates as soon as possible. Schedule inductosyn design, fabrication, etc. for installation after new surface is evaluated.

6. Lateral Movement:

Tucson will design for fabrication by the Green Bank shop. The estimated cost of material is \$4,500.

7. Manpower:

There will be problems in engineering and GB shop manpower. HH will hold a meeting on this when he returns.

GMP/pj