

JRDG telecon

Bad conference line - trying again at 11:10 EDT - much better
Wild & White out sick

1. ASIAA & CSIRO ^{AJPL} photonic work - working on LO distribution near 100 GHz as for ALMA. Brian Ellison packaging NTT chip for WR-10 output.

2. Action items

1) Rx in cabin - need side view; refrigerator temp. stability?

2) HFET performance - I will issue full report in ~1 month

3) Draft optics memo - discussion of cold load need -

Guilloteau advocates cold load for lower frequencies to get 1% amplitude accuracy. Lamb: second order effects may dominate & make 1% impossible.

Discuss more in Cambridge.

Questions posed by Carter in his memo. No WVR for band 1.

Band 2 is a requirement.

4) Plambeck col memo - working on it. Revise & publish.

Mangum is working on a separate memo.

5) No Wild

6) Polarization effects - Napier: see MMA 115, 116 early work.

Off-axis effect is to separate L & R beams on the sky - 6% of HPBW for VLA. Pointing errors screw things up.

2 offset reflectors allow good job of cancellation - with just one reflector, expect ~5% beam squint. New design should do better.

3. Objectives of Cambridge meeting - is it a PDR? Working meeting.

→ Send e-mail to Payne & Wild about attendance.