

GBT Systems Report on Project Coordination for May 1999
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Funds were received from the Observatory's 1999 research equipment (RE) budget to complete a dual beam, dual polarization Q-band receiver. Outstanding issues regarding the receiver design were resolved at a detailed design review on May 18. The procurement of remaining receiver components has begun. Additional work is needed to define specific requirements for the receiver's tertiary mirror so that the detailed design and costing of the mirror can proceed.

Priorities for operational items needed at the GBT site were reviewed, and money from the GBT site account was allocated to items such as safety equipment, substation power monitor, cryogenics, front end (FE) carts, and dummy FE loads.

After a review of the NRAO-internal project schedule, the software development group investigated methods to accelerate the integration of the spectrometer into the monitor and control software. Specific areas of responsibility for the development of spectrometer code were redefined. Glen Langston is providing much needed help with the spectrometer's data handling software.

The VLA/VLBA loaned inclinometers to Green Bank for measurements of the GBT structure.

The machine shop completed the feed transition and dewar for the S-band receiver. The S-band feed is nearly complete. Additional shop work needed to complete the entire S-band receiver includes the amplifier cold plates and the receiver rack. The shop also completed an access platform for a feed arm laser.