

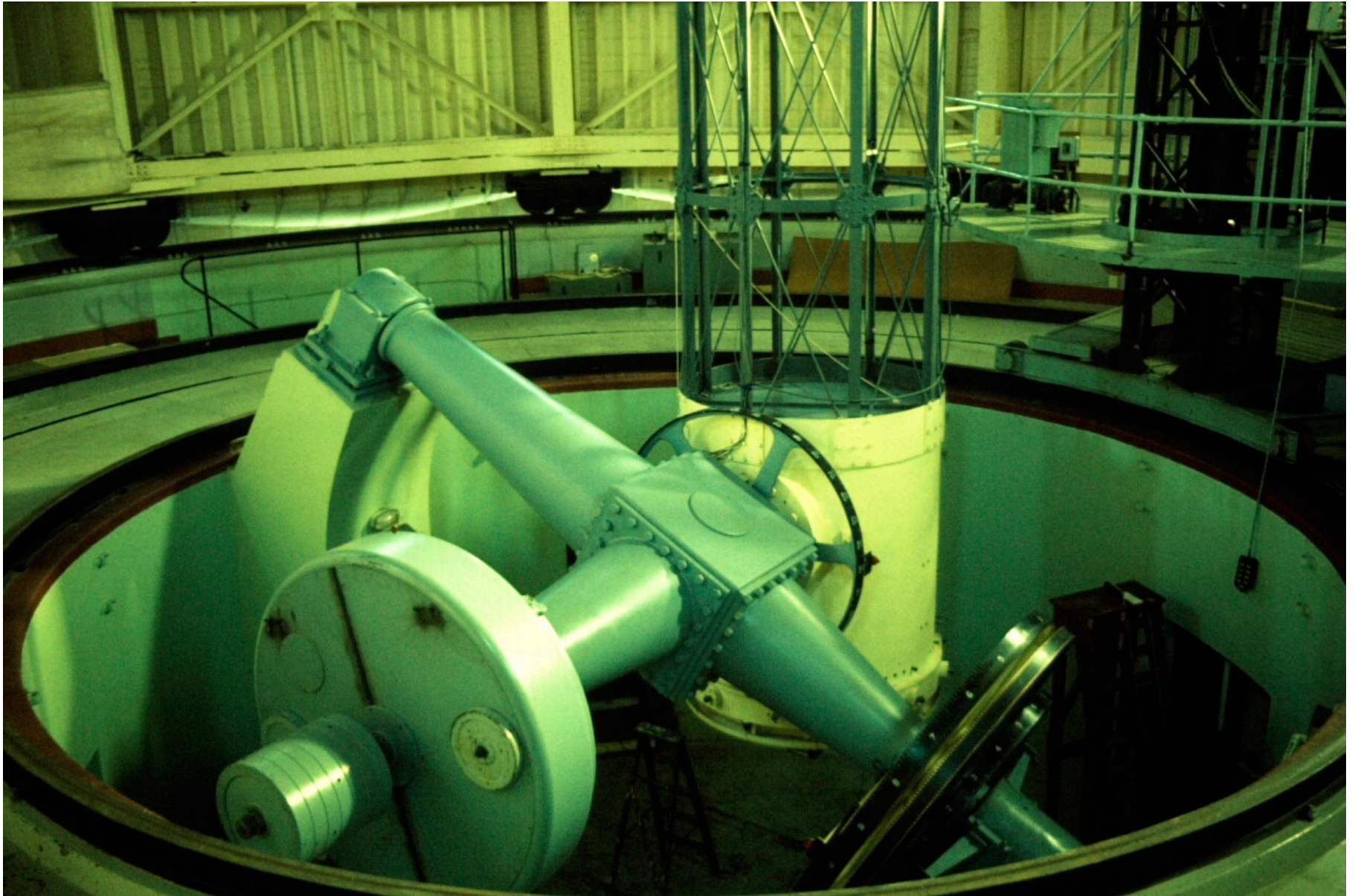
# Pilgrim in Palestine

## A Beginning in Ballooning

Ned Wright

PhD 1976

# South Africa in 1971



# Big chopping secondary



# Entering the Holy Land



# Anderson County Courthouse




# Accomodations



# Time to get to work

**Transmissions**  
*Specialized*




DIAL  
**729-1461**

NEED YOU LEAVES FOR THE OUTLAWES

Specializing In Automatic Transmissions  
All Work Guaranteed 90 Days or 4,000 Miles  
Palestine Transmission Service

706 N PERRY PALESTINE



**RICHARDS**

Generator - Alternator - Starter

Auto - Farm - Industrial

DIAL  
**729-0862**

DAY or NITE - 24 HOUR SERVICE  
502 N MALLARD Palestine

*The EAST TEXAS National Bank*  
*of Palestine, Texas*  
MEMBER OF F.D.I.C.



PALESTINE'S FRIENDLY BANK. OFFERING COMPLETE BANKING SERVICES

**Dial 729-6043**

MEMBER FEDERAL RESERVE SYSTEM

207 W SPRING

**Automobile Repairing & Service-**  
(Cont'd)

Palestine Transmission Serv  
706 N Perry - 729-1461  
★ FOR MORE INFORMATION  
(See Advertisement This Page)

Patterson Used Cars & Parts  
Frankston Hwy - 723-8157

Redwine Martin Garage  
913 W DeBard - 729-5158

Richards Generator & Starter Serv  
502 N Mallard - 729-0862  
★ FOR MORE INFORMATION  
(See Advertisement This Page)

T A C Triangle Auto Clinic  
705 E Crawford - 729-5092

Turner's Automotive 410 E Spring - 729-5397

**WESTMORELAND'S LUTHER GARAGE**  
AUTO & TRUCK REPAIRS  
AUTO AIR CONDITIONING SERVICE  
BRAKES - IGNITION - TRANSMISSIONS  
Tyler Hwy - 729-6666

**Automobile Seat Covers**  
See Seat Covers, Tops & Upholtery

**Automobile Shock Absorbers**  
See Shock Absorbers

**Automobile Tires-See Tire Dealers-Retail**

**Automobile Towing-See Wrecker Service**

**Automobile Truck Dealers**  
See Truck Dealers-New

**Automobile Utility Trailers**  
See Trailer Renting & Leasing

**Automobile Washing & Polishing**  
See Car Washing & Polishing

**Automobile Wrecker Service**  
See Wrecker Service

**Aviation Schools**  
See Aircraft Flying Schools

**Suggage Transfer**  
See Express & Transfer Service

**Bakers-Retail**  
BUDDIES FOOD CENTER 300 E Spring - 729-0413  
BUTTER NUT BAKING CO 500 N John - 729-2176

**Balloon Bases**  
Balloon Base - Balloon Base - 729-0271

*Why traipse all over town to find what you need? Look in the Yellow Pages, whether you're looking for Automobile Dealers or Wigs. Anybody who's anybody is there. Save your feet for walking directly into the store that you chose by letting your fingers do the walking in the Yellow Pages.*

**Handy—**

The Telephone Directory

Is Always Handy

And These

**Yellow Pages**

Are Handy Too

They "Tell Where to Buy"

Any Article or Service

You May Be Seeking

**Banks**

EAST TEXAS NATIONAL BANK  
207 W Spring - 729-6043  
★ FOR MORE INFORMATION  
(See Advertisement, Preceding Page)

FIRST NATIONAL BANK 102 Av A - 729-2257

ROYALL NATIONAL BANK  
519 N Sycamore - 729-6944

**Barbecue**

Miller's Cafe 401 W Spring - 729-7297

Perry's Mini Mart #2  
1219 E Palestine Av - 729-4005

T J's Barbecue 1620 Sterns - 729-2741

ZIG ZAG INN 1004 S Jackson - 723-4148

**Barber Shops**

Hart Buddy Men's Hair Stylist & Barber  
205 1/2 E Neches - 729-0589  
★ FOR MORE INFORMATION  
(See Advertisement This Page)

Howard Rodney Barber Shop  
321 S Jackson - 729-1945


Unique Barber Shop 301 1/2 W Spring - 729-5003

Wren's Barber Shop 302 W Main - 729-2935

**Barbers Equipment & Supplies**  
Hughes Barber & Beauty Supplies  
1104 W Lacy - 729-5274

Play it smart! Check the directory when you're not sure of the number. You'll save time, avoid wrong numbers.

*Buddy Hart*  
Men's Hair Stylist  
COMPLETE BARBER SERVICE



For Appointment CALL  
**729-0589**  
205 1/2 E. NECHES

*Roffler* SCULPTUR-KUT SYSTEM

**Trade Name Listings**

are convenient features of the Telephone Directory. Keep them in mind for future buying reference.

## Bakers—Retail

BUDDIES FOOD CENTER 300 E Spring-729-0413

BUTTER NUT BAKING CO 500 N John-729-2176

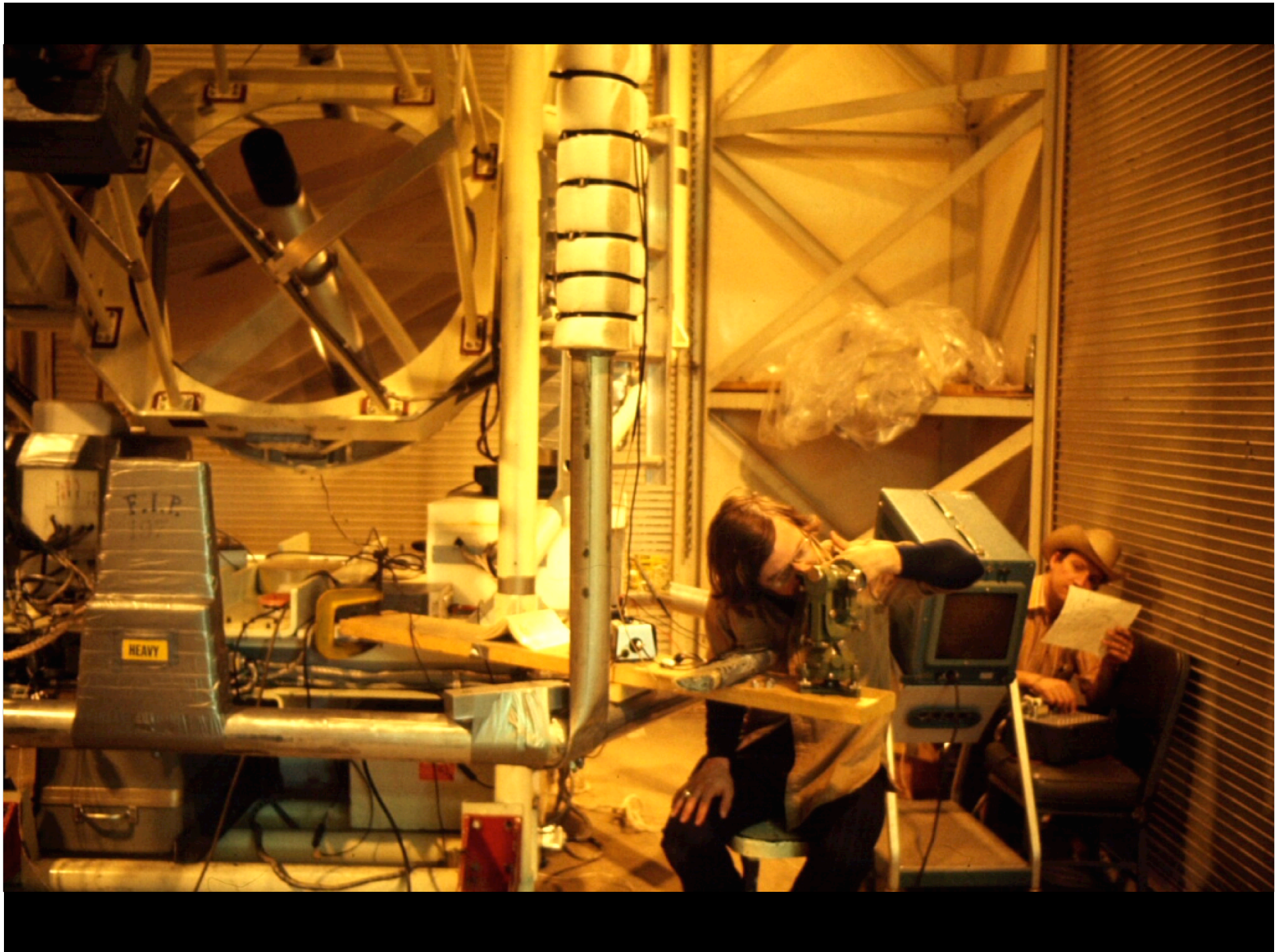
## Balloon Bases

Balloon Base Balloon Base -----729-0271

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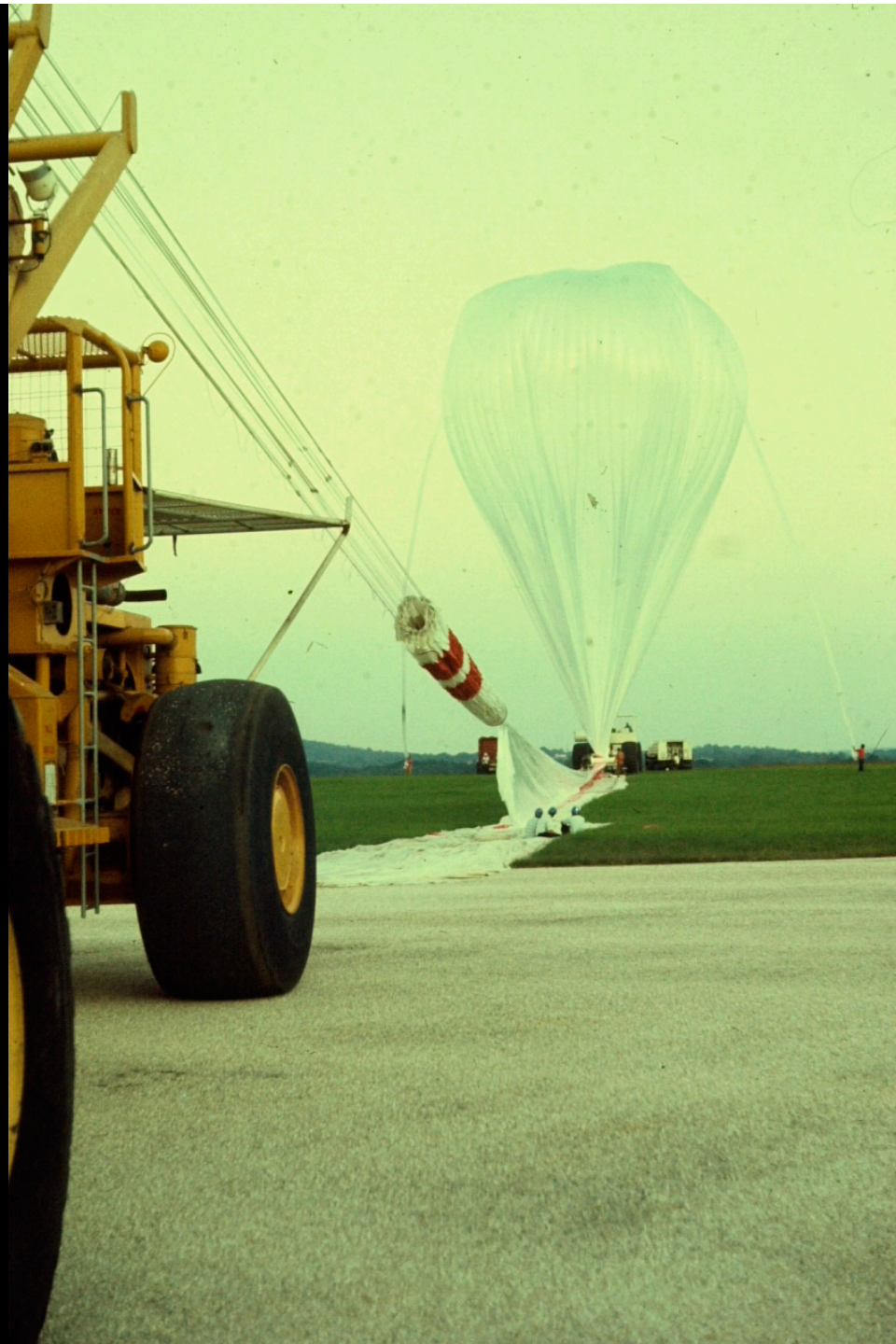
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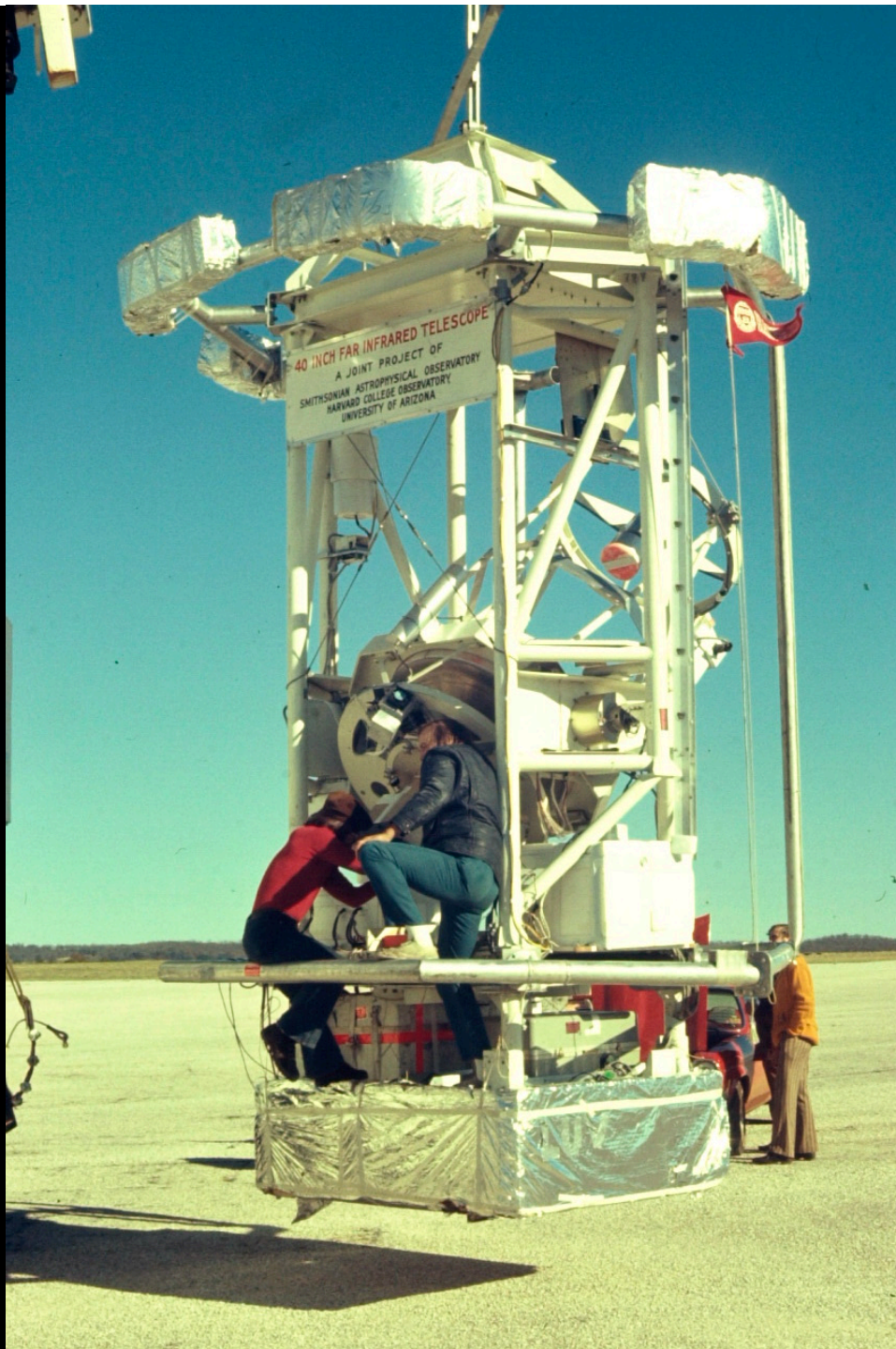
















# Working up to space

- As a graduate student I worked with Giovanni Fazio and helped to design and build the 102-cm balloon-borne far infrared telescope.

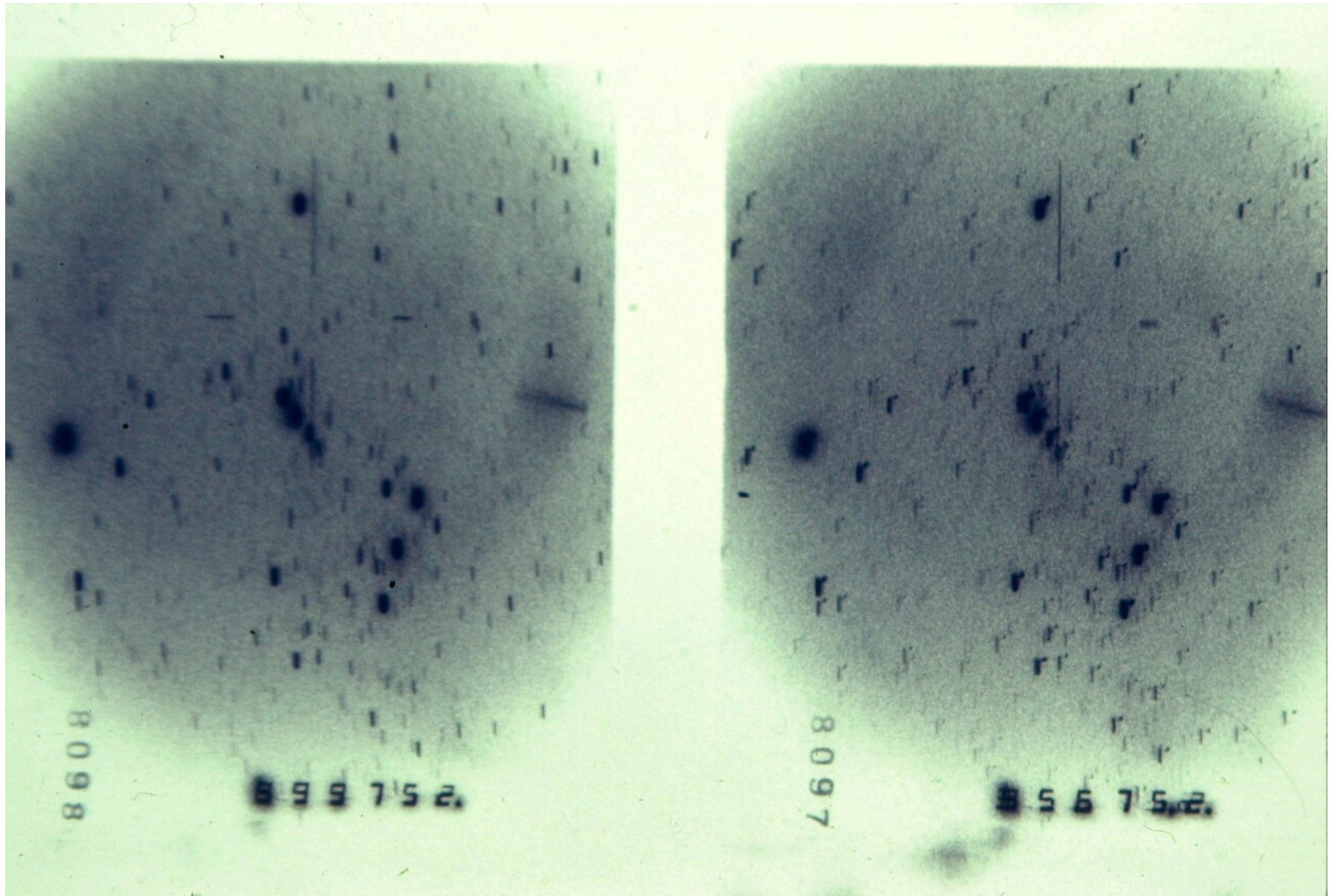


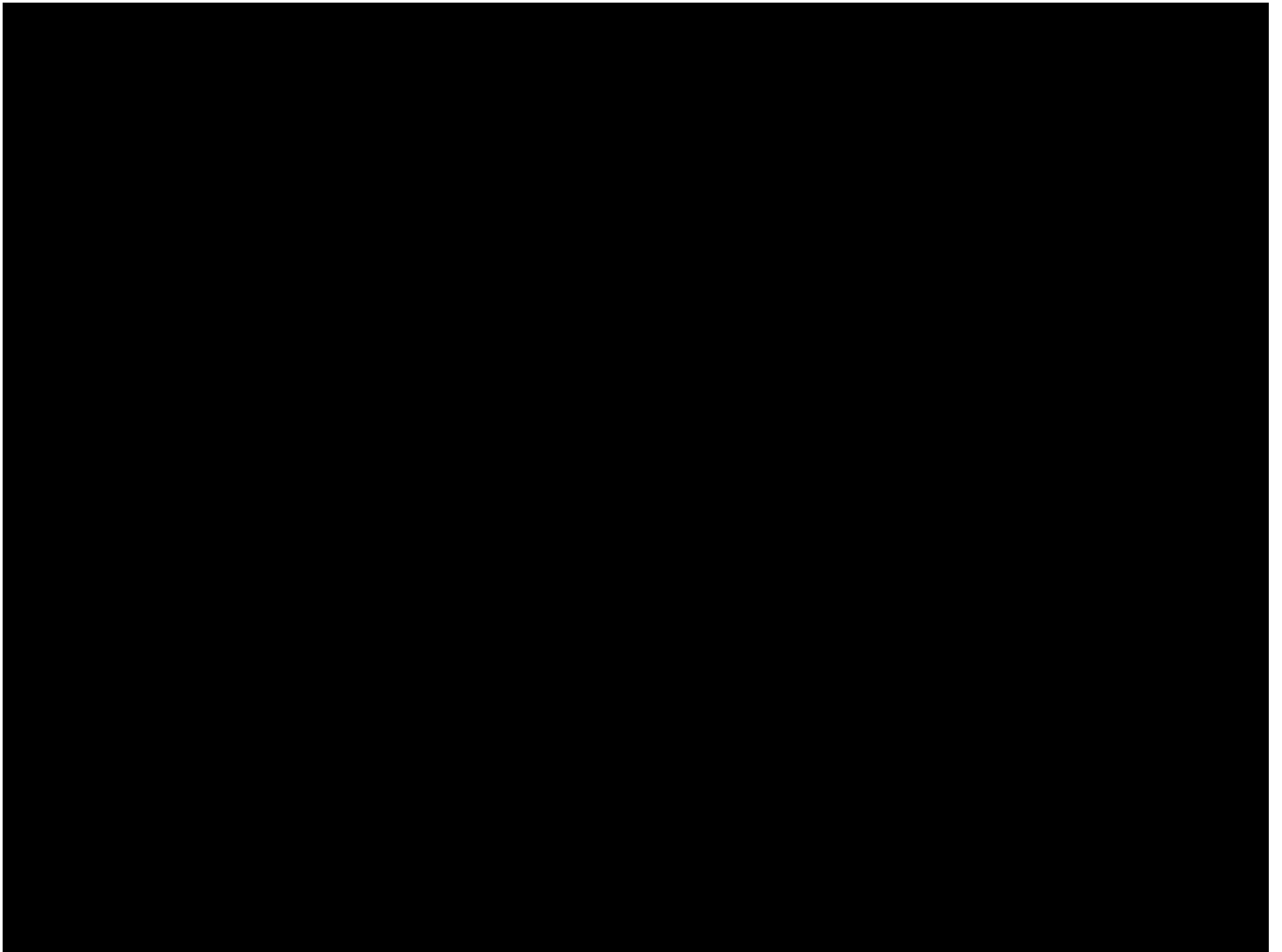
# Filling the cryostat



- Filling the cryostat for the balloon telescope with Doug Kleinmann
- We did a test to see if the O-rings worked in the cold of a balloon flight
- They failed so the duct tape is holding and electric heater that kept the cryostat case at 0 C.

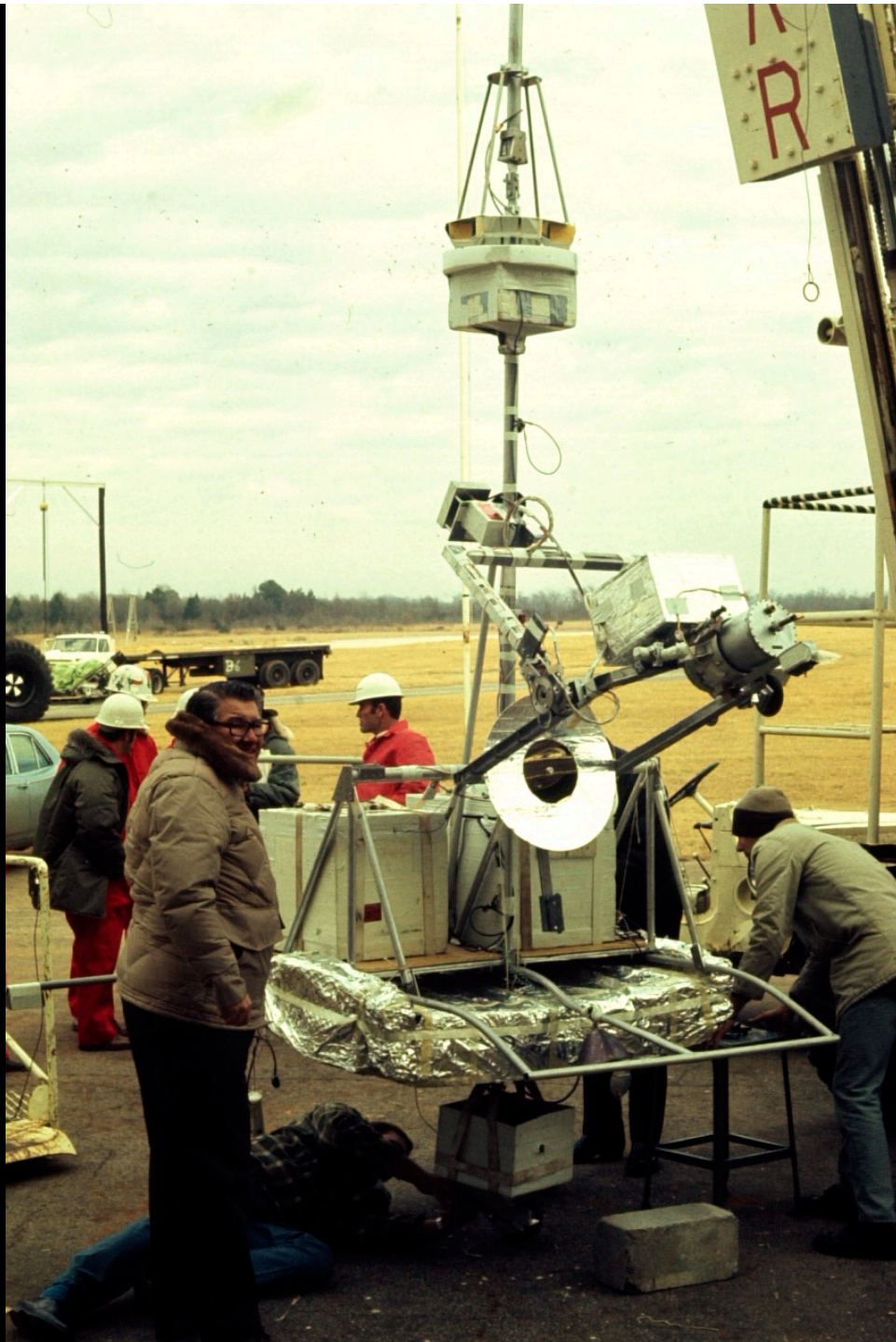
# Another job: Where were we?



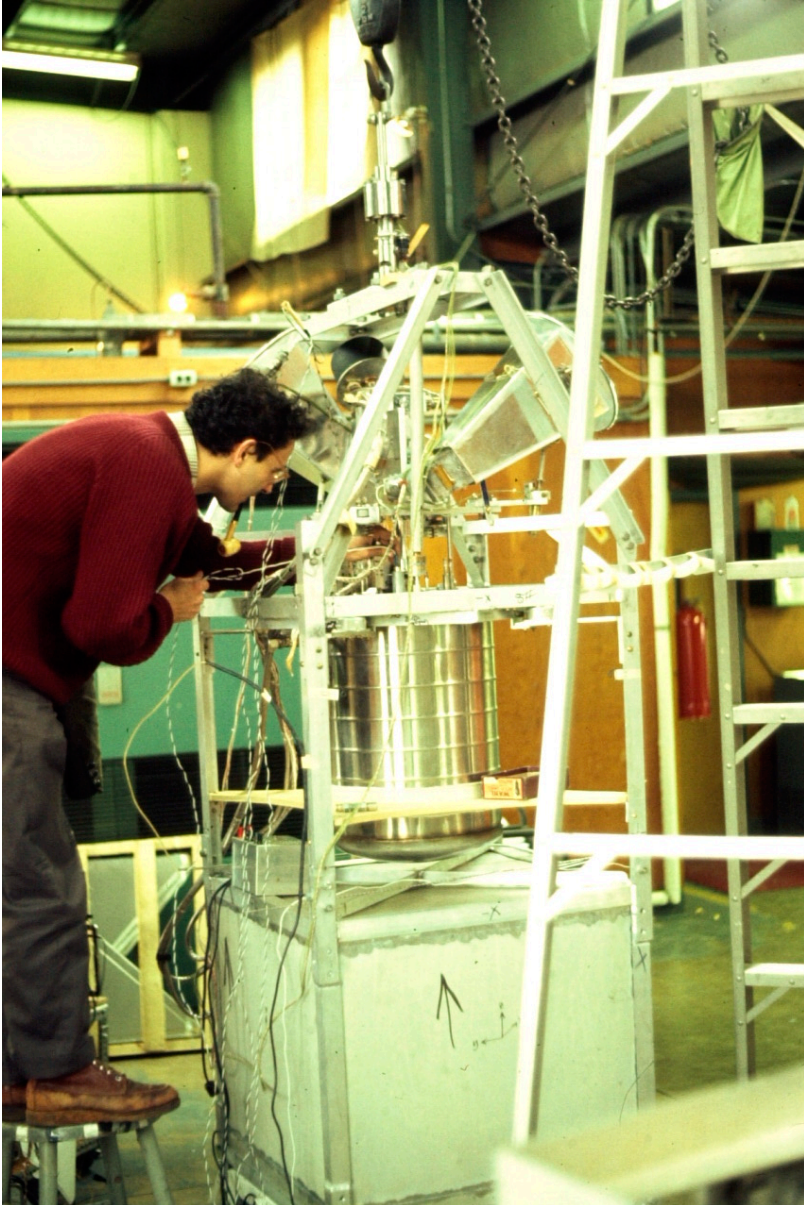


# Then Flying Lower





# Rai Weiss



- The MIT CMB group was also in Palestine
- When I moved to MIT as an assistant professor Rai passed on an invitation to a SIRTf science planning team

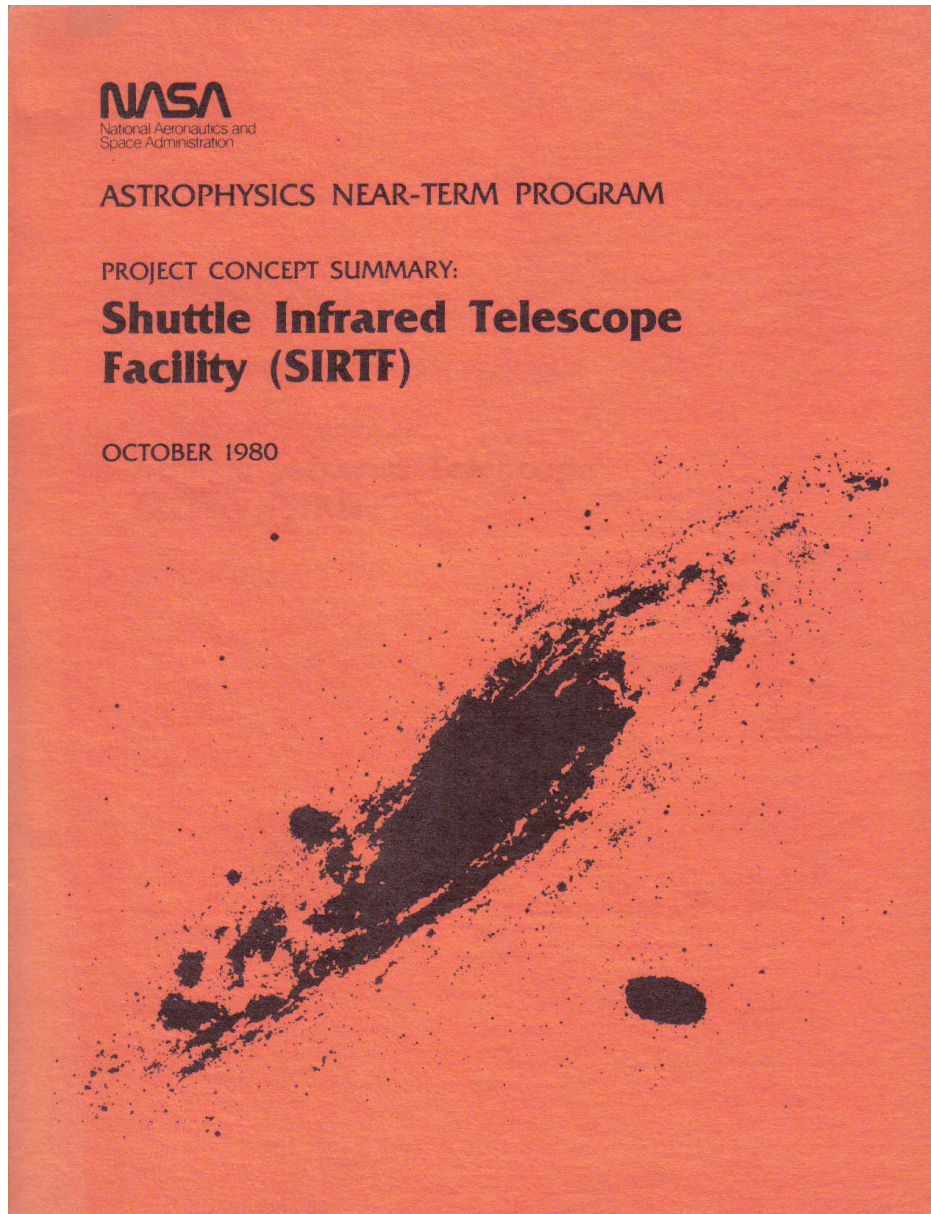


# Shuttle IR Telescope Facility



- Focal plane Instrument Requirements and Science Team (FIRST) in 1978

# Save your handouts

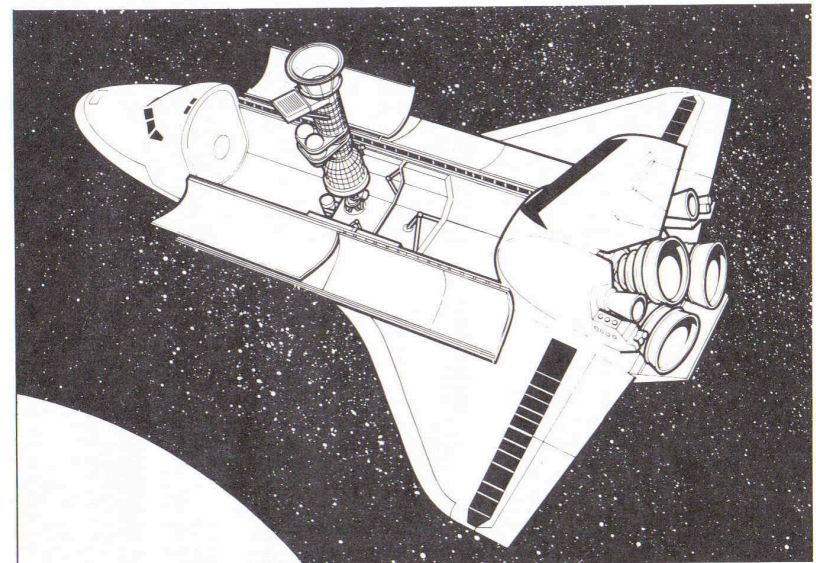


PROGRAM SUMMARY: Facility class, 0.85-m, cooled infrared Telescope for Spacelab

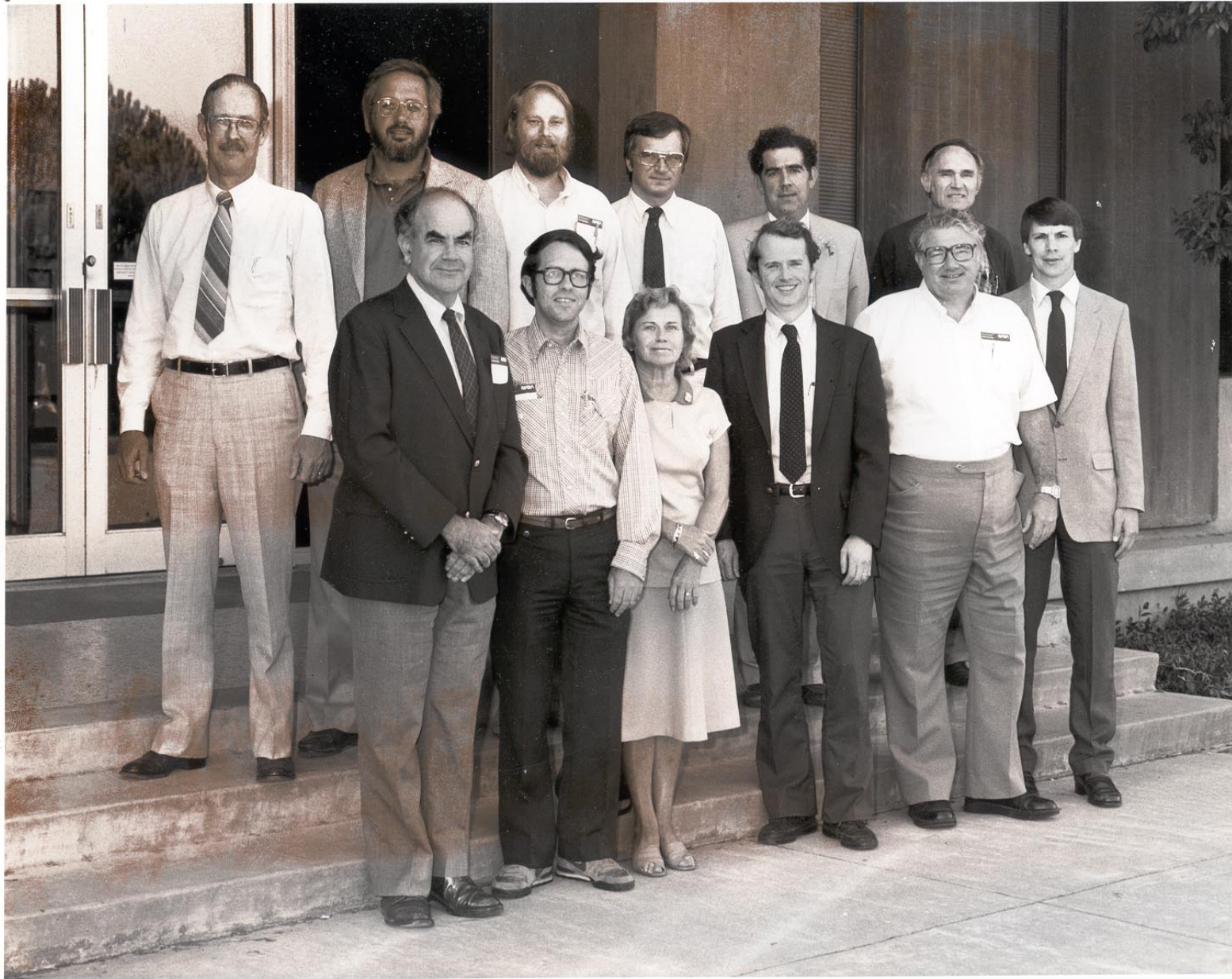
ORBIT: Inclination:  $28.5^{\circ}$  to  $57^{\circ}$   
Altitude: 300 to 400 km

MISSION DURATION: 7 to 30 days

ORBITED MASS: 10,500 kg including payload support equipment (14-day mission)



# Space IR Telescope Facility SWG



# Spitzer Science Team



# COBE SWG



# COBE SWG

