

La Silla

5-18-94

P. v. d. Werf has $z = 3.6$ radio galaxy in CO -
two lines. Draft to be submitted soon.

Bob Martin has water vapor data for Paranal. Can
get reports from P. Shaver.

Daniel Hafstader - site director

ESO: (30) international

(140) locals

(50) ~~staff~~ contractors (roads, cleaning, kitchen, ...)

(650) observing programs per year

(120) on site at any one time

= visitors + staff + contractors

Never subcontract manpower - only functions. Using
subs + staff in same function = trouble.

They are self supporting at La Silla. Critical
needs in all technical areas.

3x per week flights per week, chartered, ~ \$600k
Santiago - La Silla.

Tue/Thurs shift = 8^h work + 6^h off

Staff of 170 that commutes:

top takes charter

bottom lives in La Serena

some in middle fly to Santiago or take bus

ESO only covers charter & LaSilla \rightarrow La Serena

Satellite link $\sim 2 \times 10^6$ DM/year (2 Mbit link)

Internet connect via phone to Santiago

3 x 450 KVA generators
now s low by

German and \rightarrow
high cost

have 40 km 110KV line

80 m³ H₂O per day - mostly for people

Chile: good software
reasonably good electronics

Security - some theft. Not a big problem

Unions: Toledo has accepted them. No problem.

ESO is int., govt ... \Rightarrow income from unions

... this leads to problems. Every worker

can go to Int Lab. Org individually. Instead

there are staff associations. D. H.,

would prefer unions.

15M\$: $\frac{1}{2}$ people
 $\frac{1}{3}$ infrastr. (roads...)
rest for ms +.

To get Europeans to Chile they pay an
expatriation allowance = 40%

Cost of hiring someone from Europe = 50k\$
Very reflexible system. Travel

ESO problem - administration (business types)
have too much influence

10M\$ = ESO Chile ops (changed into pers)
Visitor expenses = another 4M\$
+ some int. salaries

~ 20M\$ total for all in Chile

60M\$ = total non-VLT ESO budget

20 does not include committees, Museo admin.

Las Comanas

5-19

Visited after lunch. Site manager = Miguel Roth.

Met Dick Malow (!) and Leo Bonfman at site.

Small & lean team, totaling 30, mostly at site.

La Serena office near CTIO. Total Chile budget

1.4M\$. (12) trays for dinner. Work in shifts

like other sites. Hire own people to do construction

rather than contracting - contractors are unreliable.

Digging Magellan foundations themselves. Building down.

100" & 40" today. Need waterization.

CTIO

5-20-21

Met with Malcolm Smith. Offered help with Santiago paperwork re customs etc. Total

budget \approx 7M\$ = 140 people = 20 US + 120 Chile.

Nice operation. Warned us of Catholica vs U. Chile

Gardner. "Be very even handed" their deal is with

U. Chile. Trying to work to deal for all Chileans based

on merit of science. Tough going. Gemini to set pace.

Works on shifts. Few on return - wait on La Serena.

No labor problems. Amazing car deal: AURA buys

BMW's tax free, leave to staff, sell for profit as used cars.

Paraval

5-23

Generating power with containerized units. Cost without capital amortization $\sim 15¢/\text{kWh}$.

150 people on site - going to 200+. All contractors.

ESO has small crew. Found \hat{r} offered on container units - ~~not~~ readily available in Subjagata.

Water delivered. Very common sewage for mines. $\sim \$3/\text{day}$ per person 200l/person/day.

Cellular phones - each Paraval.

Typical worker gets \$200 a week(?) \sim to US std

Soil very dirty - hidden below top layer of gravel. Do not disturb any more than necessary!

Topala H. Lux = bit truck = super cab & short bed
Lard Crimer = bit van

Tues	nil
Wed	nil (La Silla)
Th	dinner @ 25¢ ea; rental car; hotel
Fr	nil; turned in car; hotel
Sa	nil; groceries; bus trip
Su	hotel Antofagasta; lunch, drinks +
M	rented two vehicles; gas; hotel in Calama, dinner +
Tu	gas; -"-
W	
Th	
Fr	
Sa	
Su	
M	