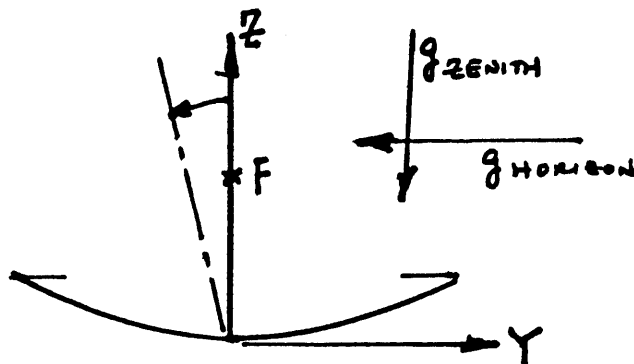


12 METER MILLIMETER WAVE TELESCOPE  
MEMO No. 219

TO: J. PAYNE

FROM: L. J. KING

SUBJECT: FOCAL MOVEMENTS VS ELEVATION ANGLES



The following results are based on:

- (1) Telescope configuration given by MEMO.#195.
- (2) Reflector surface adjusted for gravitation at elevation angle of 50 degrees, ref. MEMO.#204.
- (3) The calculated focal point adjustments are from the deformed locations to the best-fit locations.

I	ELEV	VERTEX LOC		AXIS	BEST-FIT	FOCAL ADJUSTMENTS		I
I	ANGLE	Y	Z	ANGLE	$\Delta F$	Y	Z	I
I	(deg)	(mm)		(arcsec)	(mm)	(mm)		I
I	90	-3.24	-0.02	-56	0.29	-1.85	-0.02	I
I	70	-1.80	-0.02	7	0.22	-0.64	-0.04	I
I	50	-0.49	0.0	64	.00	0.46	-0.11	I
I	30	0.46	0.02	105	-0.33	1.27	-0.21	I
I	10	0.98	0.06	127	-0.74	1.71	-0.34	I

L, K. Adj surf. 30° Elev.  
 Counter Wts.  
 Wts at Focal Point  
 Receiver Wts. } Need Reviewing  
 Thinks Close-