TABLE 1
SPARSEPAK FIBER ASTROMETRY

Fiber #	ΔRA (arcsec)	ΔDEC (arcsec)	Fiber #	Δ RA (arcsec)	Δ DEC (arcsec)
1	9.85	0.00	42	0.00	16.89
2 sky	-29.56	61.92	43	-4.93	2.81
3	34.49	25.33	44	0.00	11.26
4	24.64	8.44	45	-9.85	0.00
5	29.56	16.89	46	4.93	-2.81
6	29.56	33.77	47	0.00	5.63
7	24.64	25.33	48	0.00	-11.26
8	29.56	0.00	49	-4.93	-25.33
9	34.49	8.44	50	-9.85	-33.77
10	34.49	-25.33	51	-4.93	-8.44
11	24.64	-25.33	**52**	**0.00**	**0.00**
12	29.56	-33.77	53	0.00	-33.77
13	34.49	-8.44	54 sky	-64.05	36.59
14	29.56	-16.89	55	-24.64	25.33
15	24.64	-8.44	56	-9.85	16.89
16 sky	0.00	61.92	57	-29.56	33.77
17	19.71	33.77	58	-14.78	25.33
18	4.93	25.33	59	-34.49	25.33
19	9.85	33.77	60	-19.71	16.89
20	14.78	25.33	61	-24.64	-8.44
21	9.85	16.89	62	-4.93	8.44
22 sky	29.56	61.92	63	-14.78	8.44
23	14.78	8.44	64	-14.78	-8.44
24	14.78	-8.44	65	-24.64	8.44
25	4.93	-8.44	66	-4.93	-2.81
26	4.93	2.81	67	-14.78	-25.33
27	19.71	16.89	68	-19.71	-16.89
28	19.71	0.00	69	-19.71	-33.77
29	9.85	-33.77	70 sky	-64.05	-30.96
30	19.71	-16.89	71	-9.85	-16.89
31	0.00	-5.63	72	-29.56	-33.77
32	4.93	-25.33	73	-29.56	0.00
33	9.85	-16.89	74	-34.49	-8.44
34	14.78	-25.33	75	-29.56	16.89
35	19.71	-33.77	76	-34.49	8.44
36	-19.71	33.77	77	-29.56	-16.89
37 sky	-59.12	61.92	78	-34.49	-25.33
38	0.00	33.77	79	0.00	-16.89
39	-9.85	33.77	80 sky	-64.05	2.81
40	-4.93	25.33	81	-24.64	-25.33
41	4.93	8.44	82	-19.71	0.00

TABLE 2
SPARSEPAK ASTROMETRIC OFFSET PATTERNS

Position	Array fill				Array sub-sample			
	Relative Offset		Absolute Offset		Relative Offset		Absolute Offset	
1	0″ E	0″ N	0″ E	0″ N	0″ E	0″ N	0″ E	0″ N
2	0″ E	5.″6 S	0″ E	5.″6 S	3.″3 W	0″ S	3.″3 W	0″ S
3	4.″9 W	2.″8 N	4.″9 W	2.″8 S	1.″6 E	2.″8 S	1.″6 W	2.″8 S