D:\Drawing Files\proj_sp3_bends\bl2\align_data.xls 4/28/2003 12:20 PM
sheet: bl 2-3 fine align

bl 2-3 x-positions

α3 ≡ bl 2-3 cl wrt bl 2-0 0.162375 radian cl

α3 = -0.007297 radians

bl cl	wrt 2-0 radians	absolute radians
2-0	0.000000	0.162375
2-1	0.007013	0.169388
2-2	0.000095	0.162470
2-3	-0.007297	0.155078

object	z, mm	bl cl x, mm	(6.75") offset x, mm	x, mm	ref	wrt plugs, mm	wrt plugs, in.
2-3 mono us 23" flg	17,691.1	129.09	171.45	300.54	ssrl	1,199.46	47.22 47.034
2-3 mono center (ref)	17,968.2	131.11					
2-3 mono ds 23" flg	18,245.3	133.13	171.45	304.58	ssrl	1,195.42	47.06 46.915

2-3 Mono

SSRL BL2 4-28-03
Perry, Banuelos

Bart Johnson 849 954L

HRLN 025 574.73843 BM
575.791 B/L
-41.440
3.213
57.250 Rod 4½ ball
19.523

574.74277 HBL2N10
575.791
-41.269 "
20.043
40.250
19.524

Y

4/30/03

V/S Fl. 19.523 HI D/S FL
2.235 ½ Fl
17.288 S/R 17.288
17.326 17.318 17.676
17.293
17.300
-.012

19.523 Fl. Dia 23.000
11.5
8.023 S/R
8.051
8.043
8.031
-.008

X

LOS 59.055

V/S	O/S
59.055	59.055
47.22 *	47.06 *
40	40
7.220	7.060 S/R
7.034	6.915
.186	+.145
7.193	7.040
7.223	7.059
7.219	7.050
7.228	7.049
-.008	+.011

Mid for Roll
59.055
47.140
40
7.14
7.143
7.140

(FLANGE)
X +.003 -.010
Y -.010
Z —

LOS	ROLL	NO ROLL
PITCH		.004
YAW		.019

no roll, yaw OK, Hal T.

Circled numbers given to us by SSRL people, Hal T. or Bart Johnson, and are angular offset from nominal plus component dimension, given from our plug line.