

10/3/00 (cont)

beam → epoxy = 2.01mi + 11 = 2.9mi

2. 5 scans

0801

Spot	Time	← cps →			← Ratios →					
		204	206	208	6/4	7/4	8/4	7/6	8/6	
HCS2.3-1	14:15	61	830	2000	13.659 ±.159	15.098 ±.155	33.601 ±.383	1.1053 ±.0096	2.4600 ±.0247	
" 4-1	14:28	56	760	1900	13.708 ±.150	14.972 ±.329	34.135 ±.686	1.0922 ±.0149	2.4901 ±.0260	
" 5-1	14:40	25	320	800	13.246 ±.0216	14.446 ±.233	32.558 ±.539	1.0906 ±.01919	2.4580 ±.0285	
" 6-1	15:04	50	690	1700	13.688 ±.111	14.929 ±.122	33.647 ±.287	1.0906 ±.0071	2.4581 ±.0171	changed to 11 scans
" 7-1	15:48	45	620	1500	13.540 ±.148	14.816 ±.139	33.447 ±.346	1.0942 ±.0085	2.4702 ±.0220	"
" 8-1	16:17	32	440	1100	13.792 ±.142	14.949 ±.154	33.866 ±.332	1.0839 ±.0080	2.4555 ±.0164	"
" 8-2	16:52	32	430	1100	13.539 ±.166	14.795 ±.181	33.062 ±.390	1.0928 ±.0116	2.4419 ±.0249	Switched to O ₂
" 9-1	17:16	35	480	1200	13.953 ±.170	14.758 ±.170	33.348 ±.386	1.0577 ±.0109	2.3901 ±.0247	"
" 10-1	17:40	38	510	1300	13.499 ±.119	14.484 ±.147	33.407 ±.328	1.0992 ±.0082	2.4748 ±.0182	"
" 11-1	18:10	63	860	2100	13.744 ±.117	14.882 ±.120	33.447 ±.275	1.0828 ±.0066	2.4335 ±.0154	Switched back to O ₂
" 12-1	18:37	47	640	1600	13.475 ±.113	14.687 ±.139	33.018 ±.268	1.0899 ±.0087	2.4504 ±.0156	"
" 13-1	19:02	75	1000	2500	13.669 ±.115	14.904 ±.127	33.683 ±.304	1.0904 ±.00575	2.4641 ±.0150	"
NBS. 10-1	19:27	190	3200	7000	16.681 ±.178	15.217 ±.177	36.232 ±.385	.91220 ±.01232	2.1720 ±.0746	NBS611 (O ₂ -beam)
" 11-1	19:51	190	3200	7000	16.748 ±.189	15.263 ±.181	36.461 ±.444	.91130 ±.0130	2.1770 ±.0315	"
" 12-1	20:15	190	3100	6800	16.690 ±.177	15.269 ±.158	36.459 ±.370	.91489 ±.01181	2.1845 ±.0278	"
" 13-1	20:40	190	3200	6800	16.990 ±.228	15.429 ±.205	36.866 ±.493	.90814 ±.0129	2.1699 ±.0309	"
" 14-1	21:16	190	3200	6900	16.736 ±.174	15.195 ±.164	36.150 ±.363	.90791 ±.01079	2.1600 ±.0242	"

015100

SHKIVIR M

Counts/Min

Ratio = 2.0/120
Scans = 7 or 5

①

$O_2^- = 2.1 \text{ nA}$
(on epoxy)
+ 2.8 nA on KF
cps

204	BKG	206	207	208
40	10	10	10	5

Mount 0801

Spot Time 204 206 208 6/4 7/4 8/4 7/6 8/6

Spot	Time	204	206	208	6/4	7/4	8/4	7/6	8/6
NBS. 1-1	10:19	190	3200	6900	16.965 ±.121	15.462 ±.123	36.693 ±.284	.91142 ±.00490	2.1629 ±.0109
NBS. 1-2	10:37	190	3200	6900	16.888 ±.139	15.337 ±.125	36.662 ±.316	.90821 ±.00341	2.1709 ±.0102
NBS. 1-3	10:53	190	3100	6700	16.802 ±.112	15.332 ±.117	36.431 ±.242	.91251 ±.00433	2.1682 ±.0064
NBS. 1-4	11:06	190	3200	6800	16.973 ±.137	15.322 ±.125	36.587 ±.301	.90274 ±.00344	2.1556 ±.0084
NBS. 1-5	11:18	180	3100	6700	17.026 ±.116	15.415 ±.091	36.907 ±.213	.90539 ±.00459	2.1677 ±.0107
NBS. 1-6	11:30	190	3200	6800	16.835 ±.103	15.270 ±.094	36.493 ±.222	.90702 ±.00330	2.1676 ±.0075
NBS/Ref	—	—	—	—	17.051	15.518	36.999	.91006	2.1699
SWITCHED TO O_2^- BEAM									
NBS. 1-7	11:47	180	3008	6612	—	—	—	—	—
NBS. 1-8	12:05	190	3100	6800	16.806 ±.076	15.298 ±.069	36.543 ±.161	.91027 ±.00339	2.1744 ±.0078
NBS. 1-9	12:22	180	3100	6700	17.006 ±.108	15.397 ±.101	36.880 ±.223	.90540 ±.00678	2.1687 ±.0153
BH wht. 1-1	12:35	8400	140K	300K	16.257 ±.082	15.633 ±.079	36.347 ±.183	.96163 ±.00078	2.2358 ±.0014
BH galena	—	—	—	—	16.004	15.389	35.651	.96157	2.2276
BH wht. 1-2	12:58	9400	150K	340K	16.233 ±.174	15.606 ±.160	36.434 ±.371	.96135 ±.00919	2.2445 ±.0213
" 1-2b	13:09	8500	140K	310K	16.139 ±.026	15.512 ±.026	36.302 ±.057	.96111 ±.00078	2.2493 ±.0012
" 1-2c	13:19	8200	130K	300K	16.166 ±.0270	15.544 ±.026	36.176 ±.064	.96149 ±.00063	2.2377 ±.0021
CS2. 1-1	13:32	37	500	1200	13.526 ±.285	14.758 ±.296	33.304 ±.702	1.0911 ±.0146	2.4623 ±.0366
" 1-2	13:46	38	510	1300	13.640 ±.220	14.990 ±.236	33.490 ±.521	1.0990 ±.01044	2.4553 ±.0224
" 2-1	13:58	59	810	2800	13.594 ±.215	14.655 ±.244	33.241 ±.501	1.0781 ±.0144	2.4453 ±.0277

10/3/08

(3) (Scans)

0801

← cps → ← Ratios →

Spot	Time	204	206	208	6/4	7/4	8/4	7/6	8/6	
NBS. 2-1	21:32	190	3100	6800	16.766 ±.103	15.341 ±.072	36.516 ±.175	.91499 ±.00525	2.1780 ±.0127	204 = 100 cps & scans 0 beam
" 2-2	21:46	170	2900	6400	16.871 ±.109	15.305 ±.074	36.470 ±.171	.90717 ±.00551	2.1617 ±.0128	"
" 2-3	22:01	180 180	3100 3100	6700	16.987 ±.079	15.370 ±.093	36.815 -168	.90483 ±.00501	2.1672 ±.0084	"
" 2-4	22:20	180	3100	6800	16.946 ±.108	15.396 ±.120	36.954 ±.233	.90854 ±.00546	2.1807 ±.0085	added two dummy names
" 2-5	22:35	200 200	3300	7200	16.989 ±.122	15.348 ±.121	36.799 ±.231	.90340 ±.00713	2.1661 ±.0137	"
" 2-6	22:50	190	3200	7000	16.788 ±.101	15.331 ±.098	36.759 ±.219	.91323 ±.00412	2.1876 ±.00412	"
CS2 ANKF Reference					14.453 14.405	14.991 14.982	34.283 —	66.8 ppm Pb	0.11 ppm U	μ = 0.09

Age-
con