

Spacecraft	$B_Z$ pulses		Injections	
	Time moments	MVA normals	Time moments for 65.5 keV (P3) 68.1 keV (Cluster)	Time moments for 139 keV (P3) 127.5 keV (Cluster)
P3	DF0: 01:37:00.027 DF1: 01:38:16.875 DF2: 01:39:27.576 DF3: 01:42:04.348 DF4: 01:43:05.827 DF5: 01:45:18.007 DF6: 01:47:54.779	[0.9 -0.2 -0.4] [-0.8 0.4 0.45] [0.3 0.95 -0.1] [0.6 0.7 -0.4] [0.1 0.96 -0.2]	$I_{e1}$ : 01:38:23.302 $I_{e2}$ : 01:39:24.781 $I_{e3}$ : 01:42:01.553 $I_{e4}$ : 01:43:12.254 $I_{e5}$ : 01:45:27.508 $I_{e6}$ : 01:47:48.910	01:38:23.302 01:39:24.781 01:42:01.553 01:43:18.402 01:45:27.508 01:47:58.132
C1	DF0: 01:37:20.871 DF1: 01:39:39.933 DF2: 01:40:15.880 DF3: 01:40:22.571 DF4: 01:42:23.749 DF5: 01:44:43.168 DF6: 01:45:07.876 DF7: 01:46:38.413	[-0.6 -0.6 0.5] [0.5 0.8 -0.3] [0.8 0.6 0.0] [0.6 0.7 -0.4] [0.8 -0.6 0.0] [0.9 0.4 0.1] [0.96 0.06 -0.3]	$I_{e1}$ : 01:38:37.766 $I_{e2}$ : 01:39:20.097 $I_{e3}$ : 01:40:53.223 $I_{e4}$ : 01:42:30.581 $I_{e5}$ : 01:44:20.638 $I_{e6}$ : 01:45:45.298 $I_{e7}$ : 01:47:09.956	01:38:37.766 01:39:20.097 01:40:53.223 01:42:26.348 01:44:20.638 01:45:45.298 01:46:53.025
C4	DF0: 01:37:35.448 DF1: 01:39:40.908 DF2: 01:40:19.575 DF3: 01:42:34.355 DF4: 01:44:43.960 DF5: 01:45:27.088 DF6: 01:47:24.698	[-0.2 -0.8 0.5] [0.9 -0.3 0.1] [0.65 0.7 0.2] [0.95 -0.2 -0.3] [0.96 0.25 -0.15] [0.7 -0.6 -0.25] [0.6 0.8 -0.1]	$I_{e1}$ : 01:38:50.996 $I_{e2}$ : 01:39:36.343 $I_{e3}$ : 01:41:07.038 $I_{e4}$ : 01:42:29.487 $I_{e5}$ : 01:44:29.039 $I_{e6}$ : 01:47:38.674	– 01:39:23.976 01:41:07.038 01:42:29.487 01:44:24.918 01:47:13.939
C2	DF1: 01:39:53.064 DF2: 01:42:19.531 DF3: 01:43:57.472	[0 0.99 0.15] [0.9 -0.3 -0.3] [0.8 -0.4 -0.3]	$I_{e1}$ : 01:39:48.479 $I_{e2}$ : 01:42:25.994 $I_{e3}$ : 01:48:34.913	01:39:48.479 01:42:25.994 01:46:51.284