

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2772 - L2 Version 4
Chandra X-Ray Center

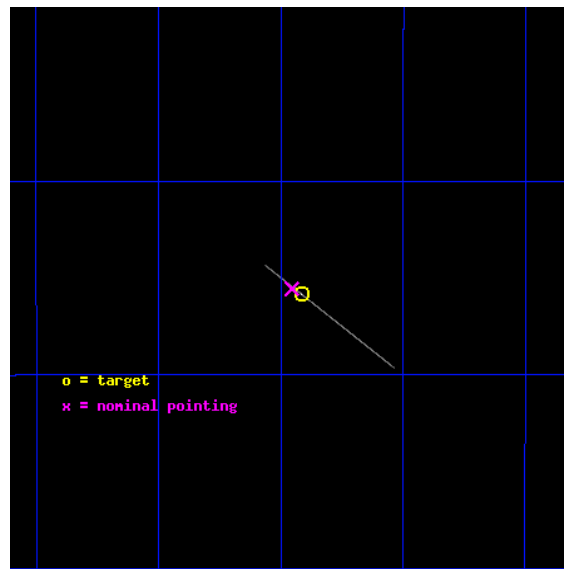
L2 Processing Date : Sep 28 2012

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1 Front

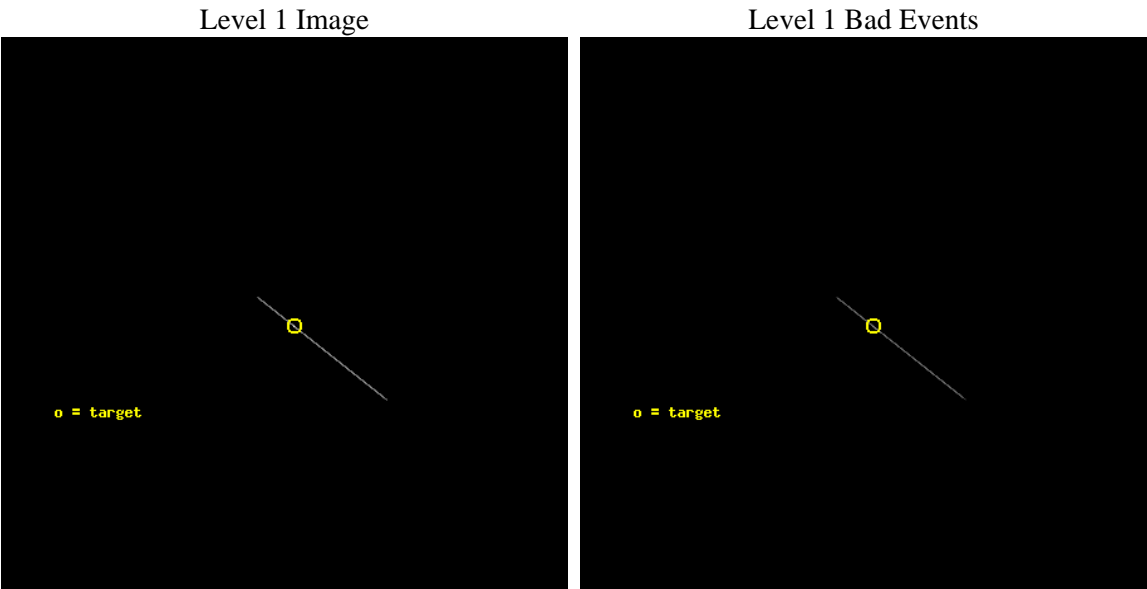
seq_num	500222	Sequence number
obs_id	2772	Observation id
title	IS THE NEARBY ISOLATED NEUTRON STAR RX J0720.4-3125 A MAGNETAR?	Pr
observer	Prof. Shrinivas Kulkarni	Principal investigator
object	RX J0720.4-3125	Source name
ra_targ	110.10375	Observer's specified target RA [deg]
dec_targ	-31.430806	Observer's specified target Dec [deg]
ra_nom	110.11377963865	Nominal RA [deg]
dec_nom	-31.426152098601	Nominal Dec [deg]
roll_nom	38.098140871963	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4052.75	Sum of GTIs [s]
livetime	4036.9189453125	Livetime [s]
ontime7	4052.75	Sum of GTIs [s]
l2events	22248	Number of level 2 events



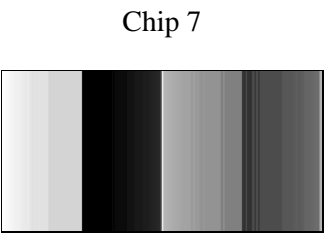
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3880.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4052.75	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	4052.75	Sum of GTIs [s]
date	2012-09-28T06:26:30	Date and time of file creation	l1events	29789	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

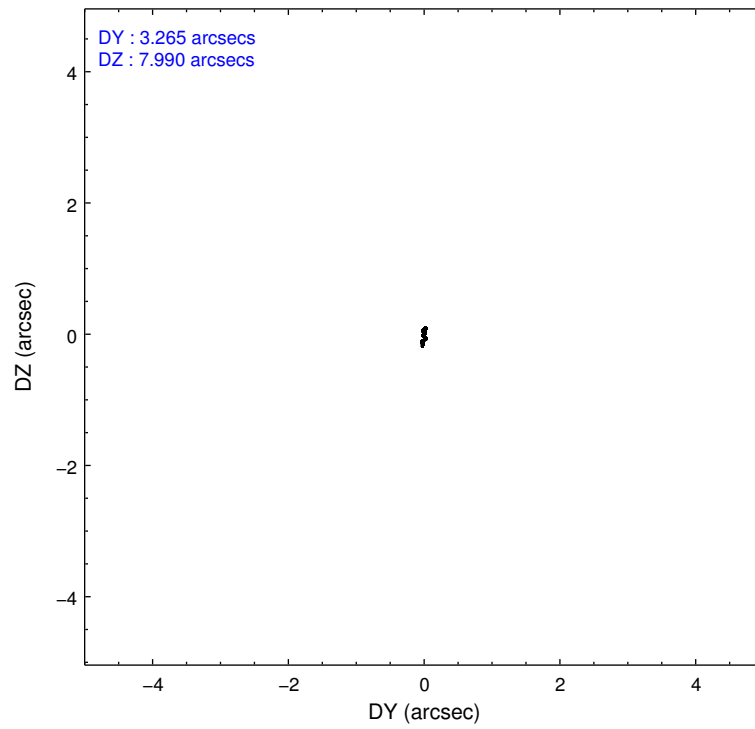
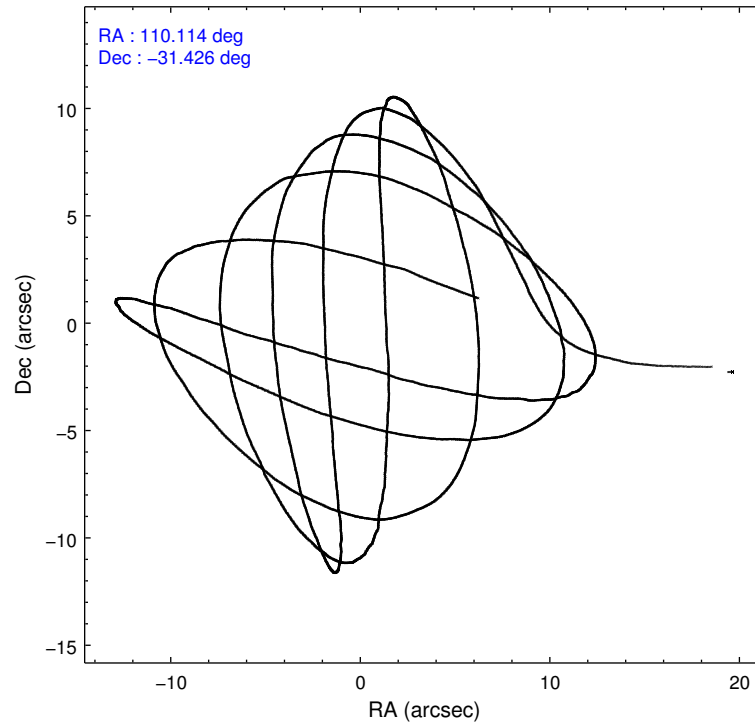
	ccd 7
level 1 events	29789
rejected events	6929
rejected %	23%

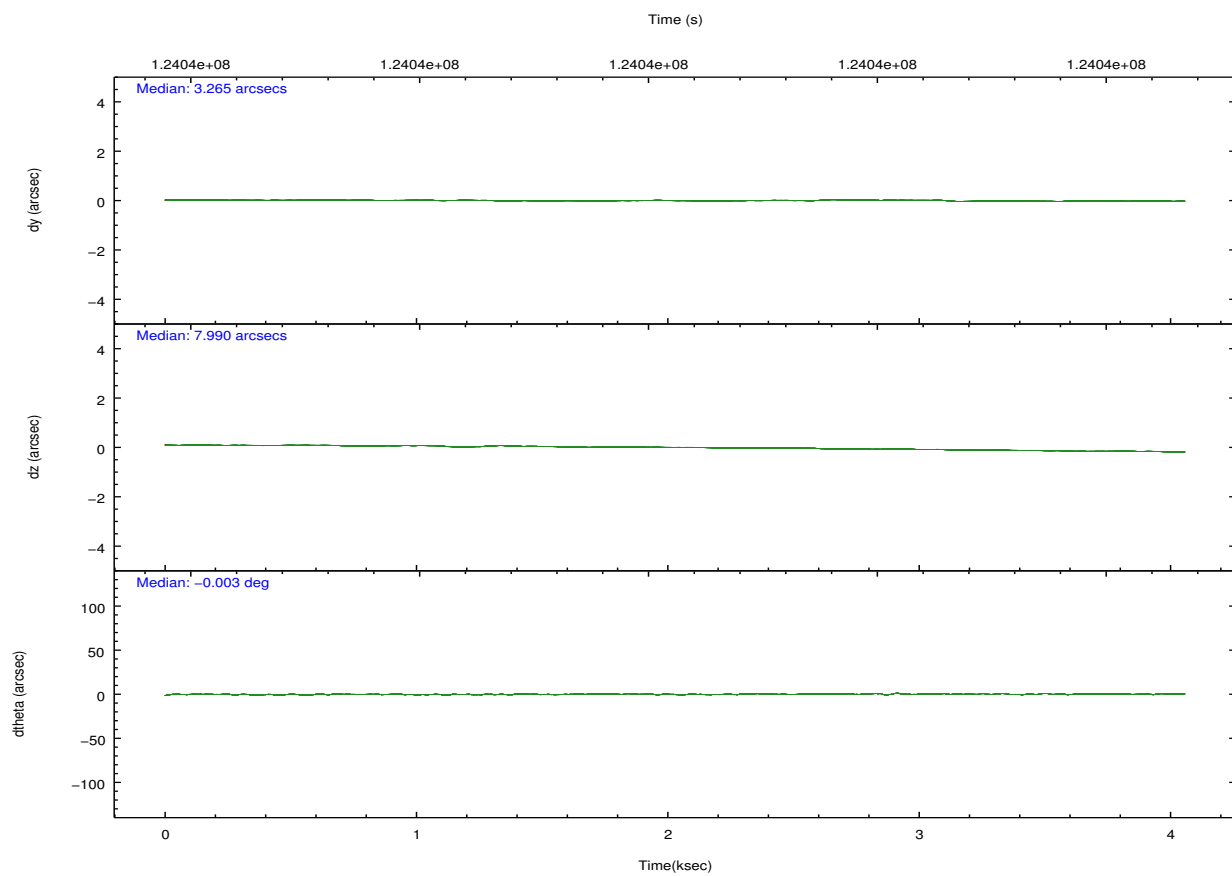
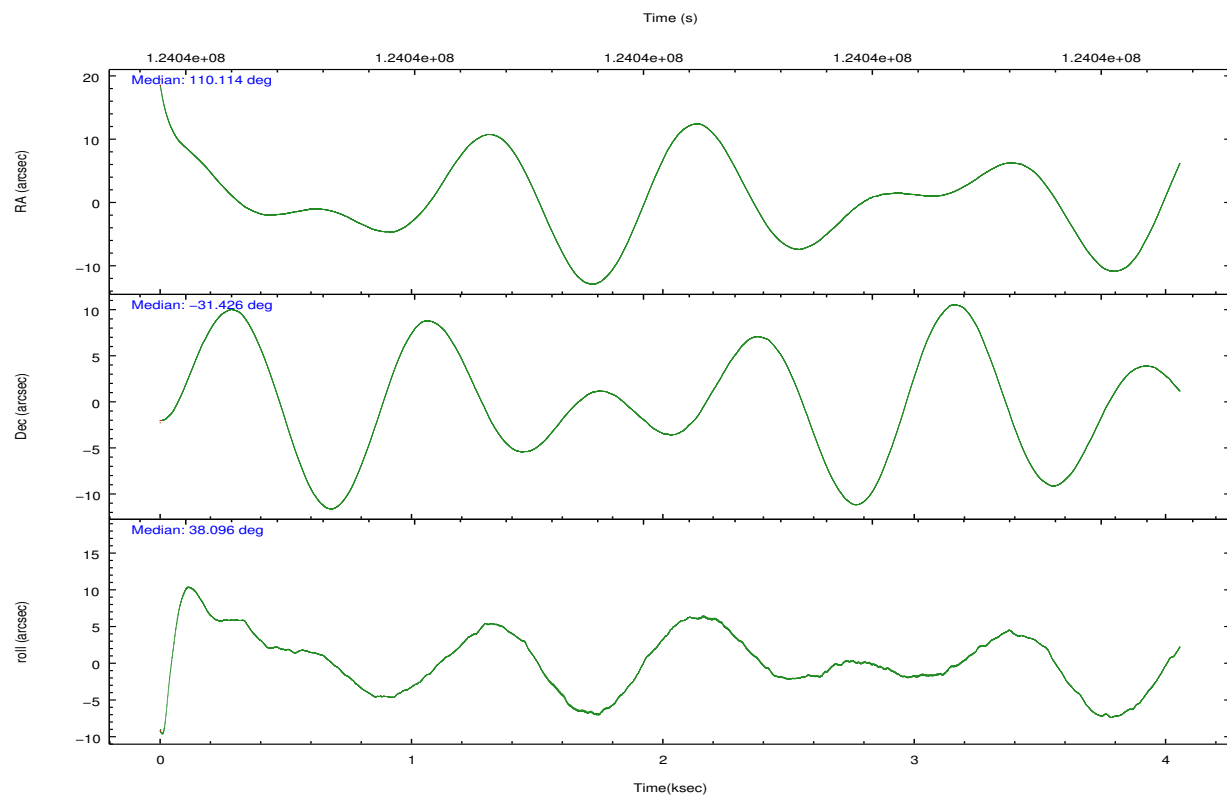
	ccd 7
grade 0 events	6960
	23%
grade 1 events	76
	0%
grade 2 events	5954
	19%
grade 3 events	1852
	6%
grade 4 events	1999
	6%
grade 5 events	3298
	11%
grade 6 events	9650
	32%
grade 7 events	0
	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	110.102256	110.113779638652	Subarray requested	NONE	NONE
[deg] Pointing Dec	-31.451671	-31.4261520986011	Alternating exposures requested	N	N
[deg] Pointing Roll	37.935566	38.09814087196255	[s] Primary exposure time	0.000000	0
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-182.132523	-182.1370004450064			
[mm] SIM translation stage offset	-8	-7.995522138001405			
[s] Observation start time (MET)	124036265.184000	124035266.21137			
Observation start date	2001-12-06T14:30:01	2001-12-06T14:14:26			
[s] Observation end time (MET)	124040145.184000	124040279.48657			
Observation end date	2001-12-06T15:34:41	2001-12-06T15:37:59			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



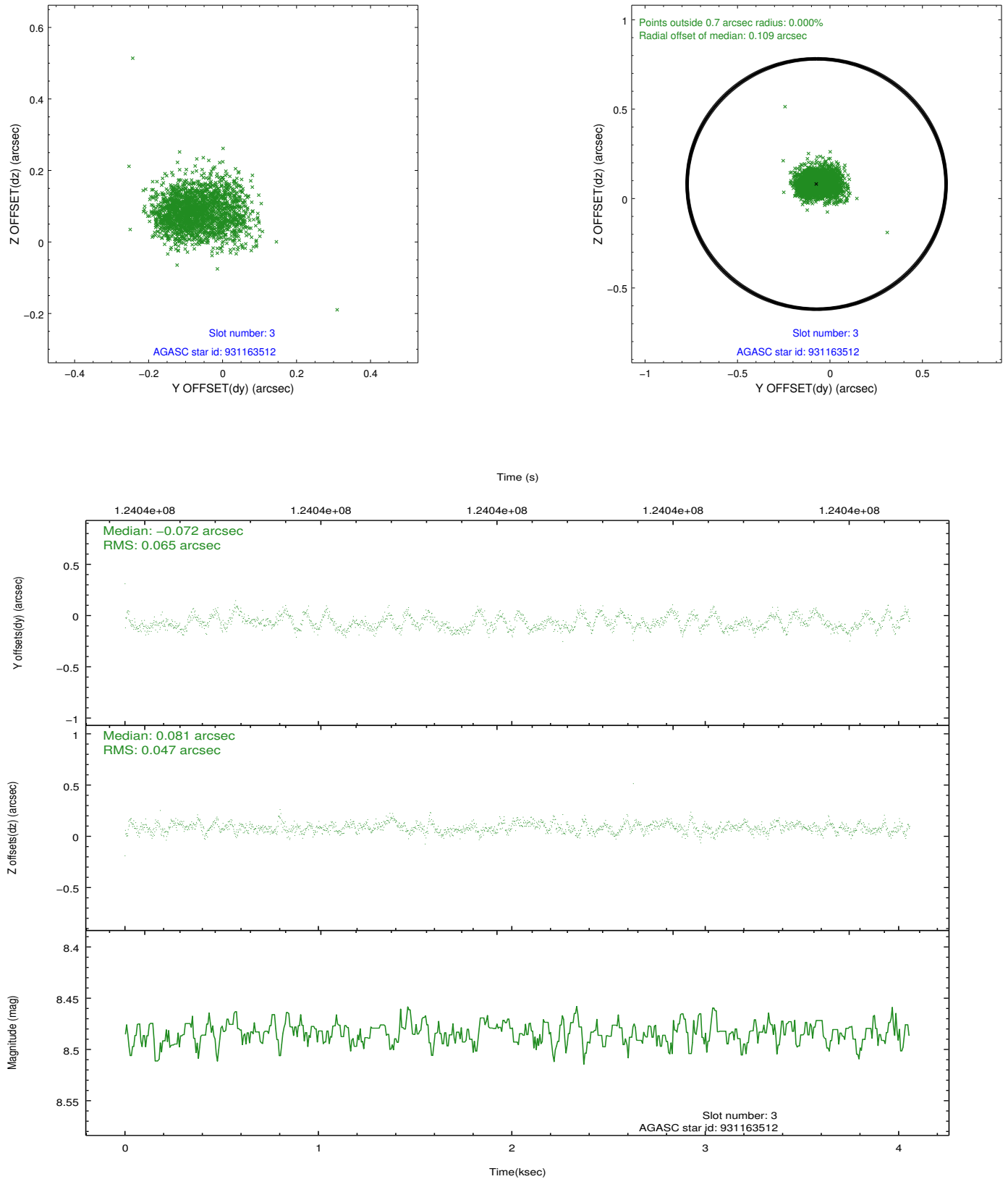


Slot Statistics

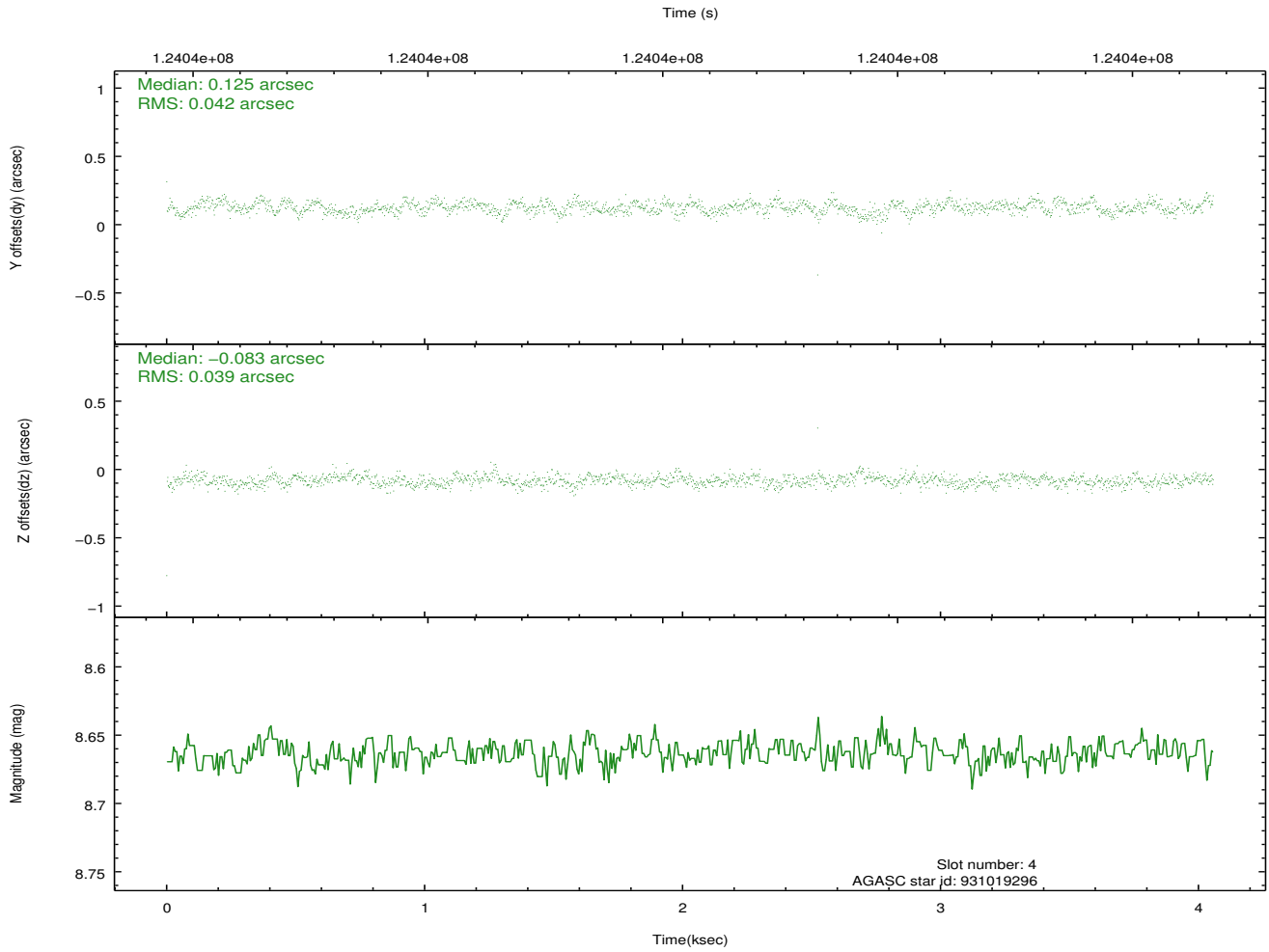
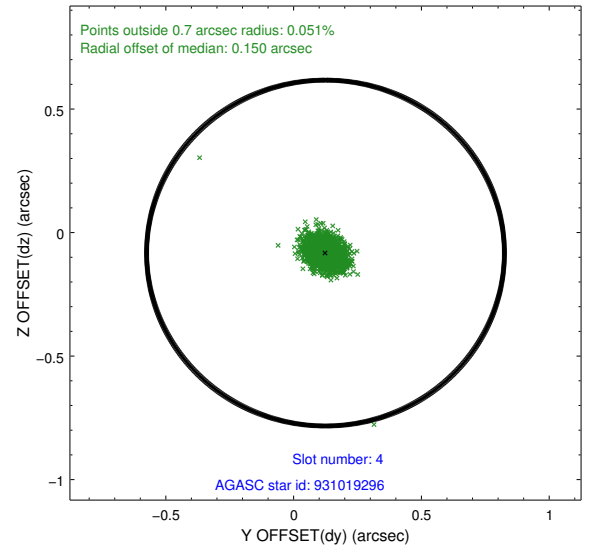
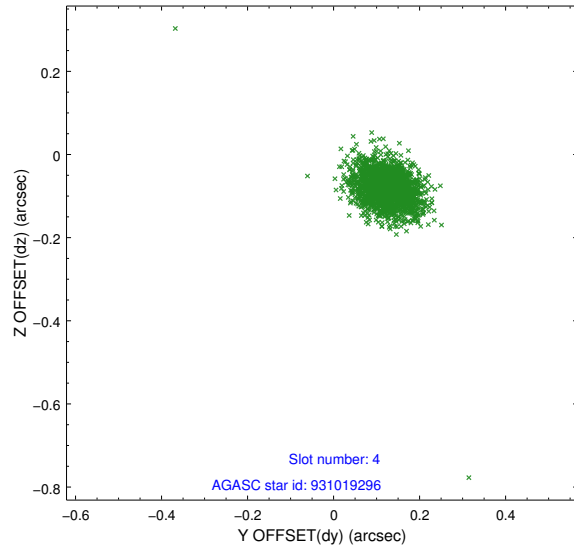
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	989	-0.024	-0.125	0.008	0.014	0.000000	0.000000	-755.39	-1893.99
1	FID	ACIS-S-4	7.17	989	0.033	0.045	0.006	0.011	0.000000	0.000000	2157.27	12.85
2	FID	ACIS-S-5	7.23	989	-0.040	0.088	0.007	0.013	0.000000	0.000000	-1806.24	8.37
3	GUIDE	931163512	8.48	1978	-0.072	0.081	0.084	0.136	110.894384	-31.299941	2251.87	-1074.13
4	GUIDE	931019296	8.66	1976	0.125	-0.083	0.056	0.093	109.471771	-31.694370	-2062.90	492.86
5	GUIDE	931160352	8.63	1978	-0.075	-0.110	0.058	0.094	110.268138	-30.864891	1701.26	1350.72
6	GUIDE	931005504	9.34	1978	0.173	-0.060	0.074	0.121	109.438314	-31.669733	-2090.12	626.97
7	GUIDE	931152840	9.14	1977	-0.151	0.167	0.085	0.137	110.877463	-31.769293	1161.73	-2366.85

2.4 Star Slots

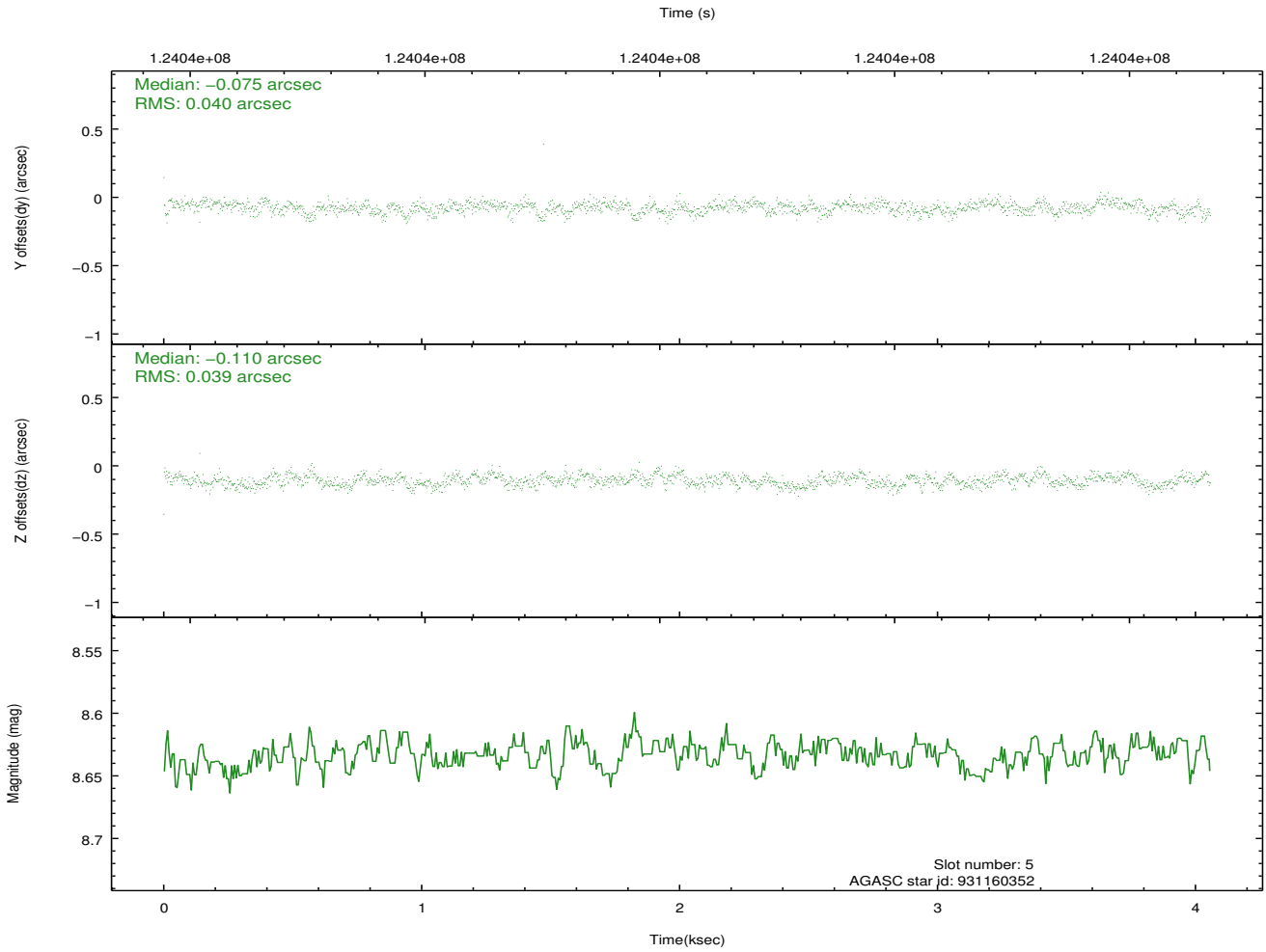
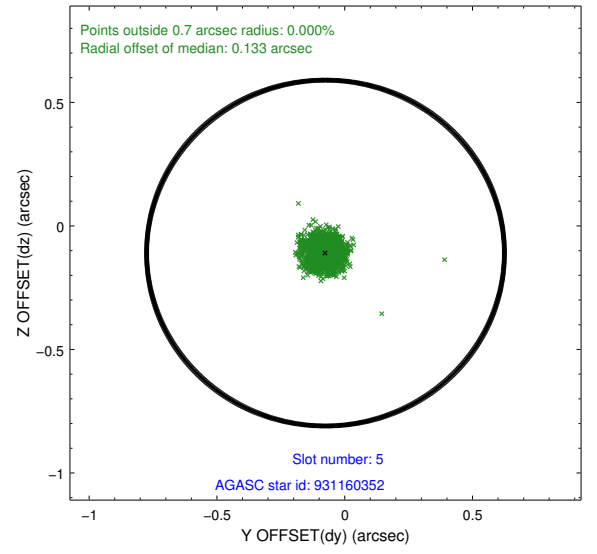
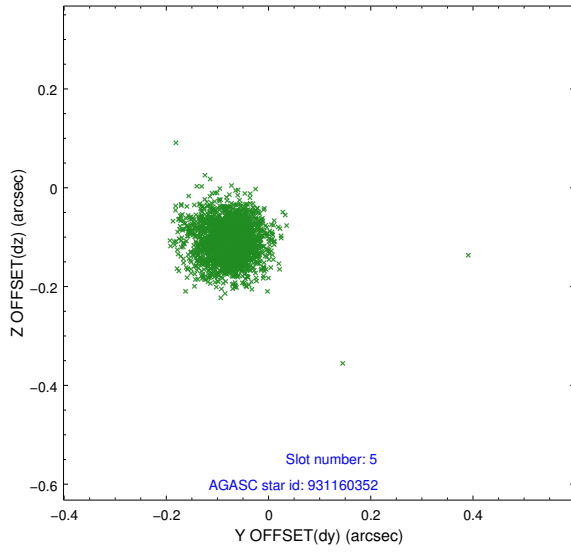
2.4.1 Slot 3



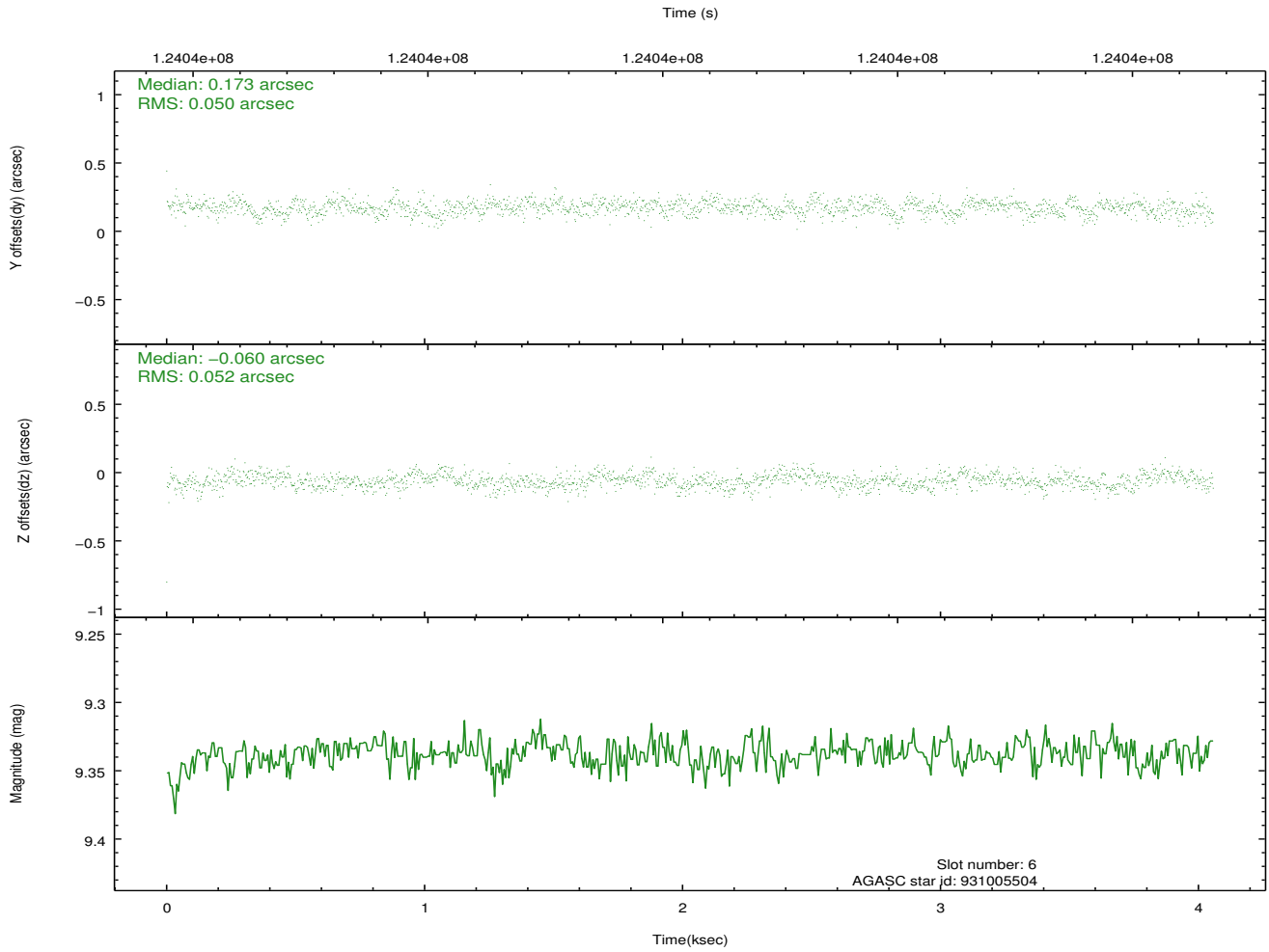
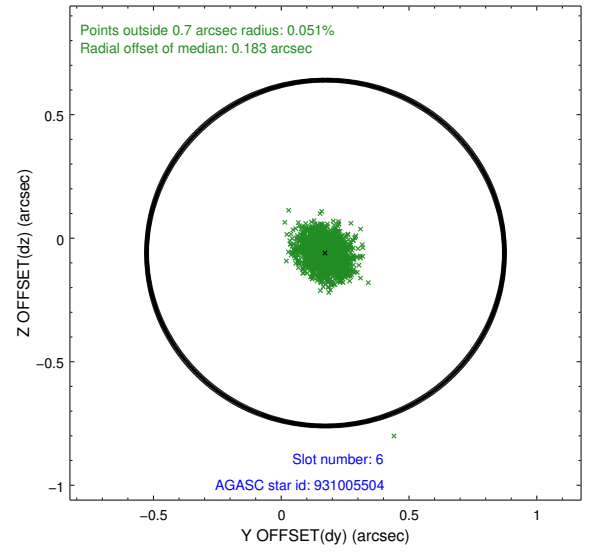
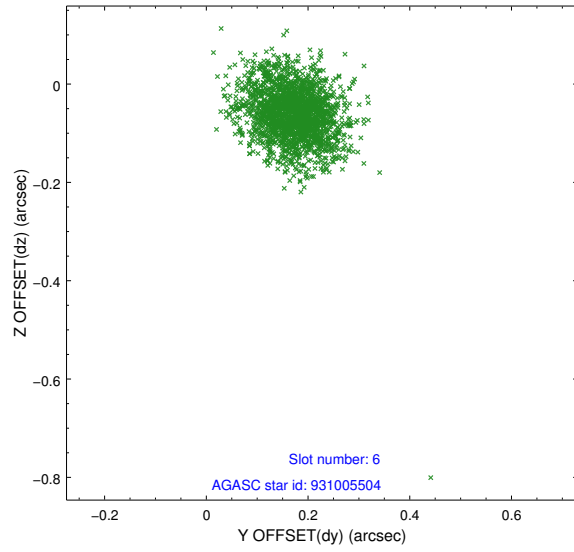
2.4.2 Slot 4



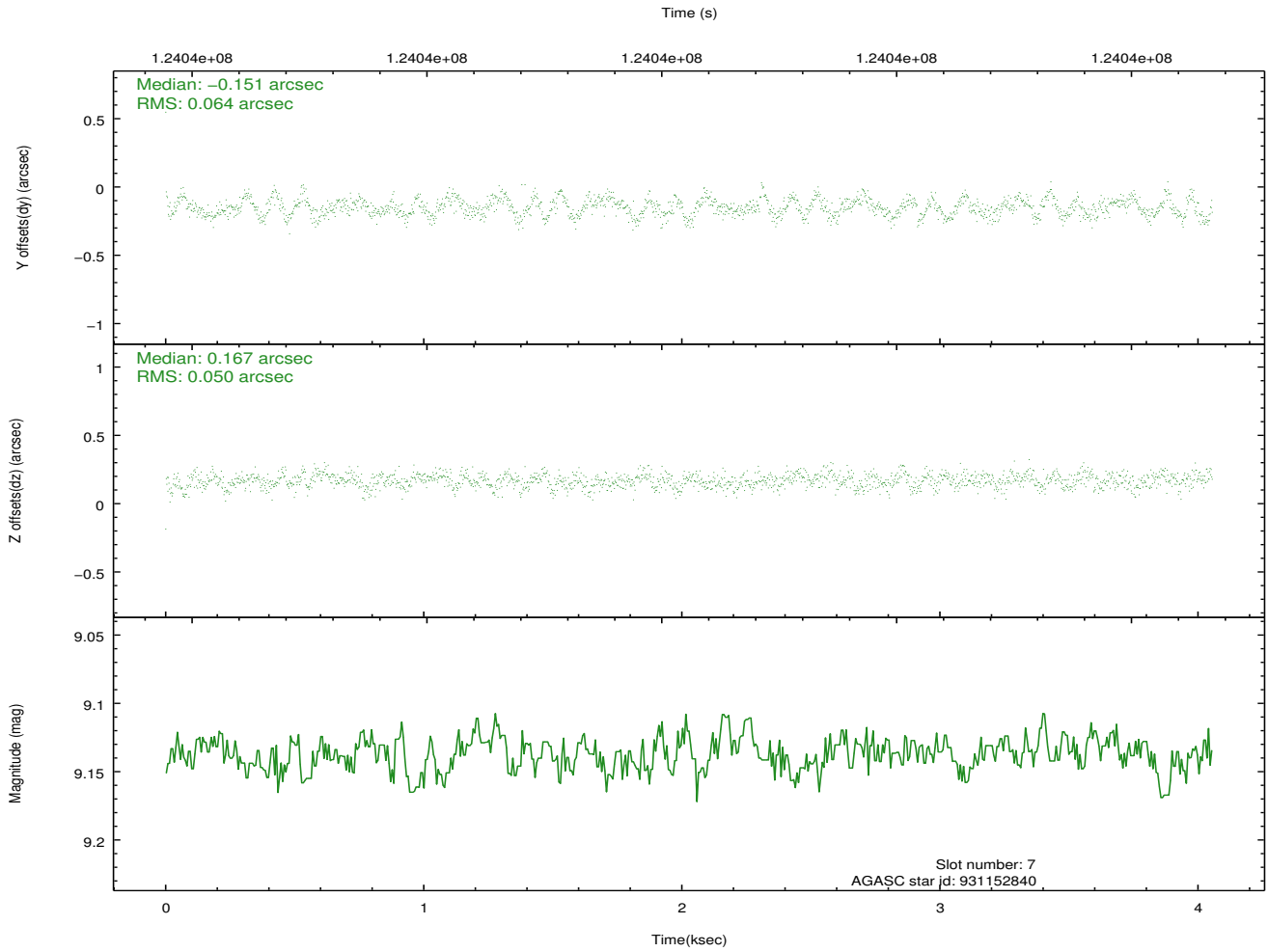
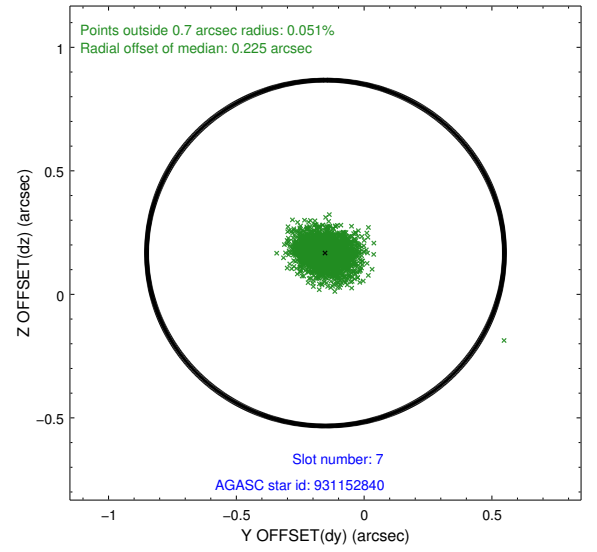
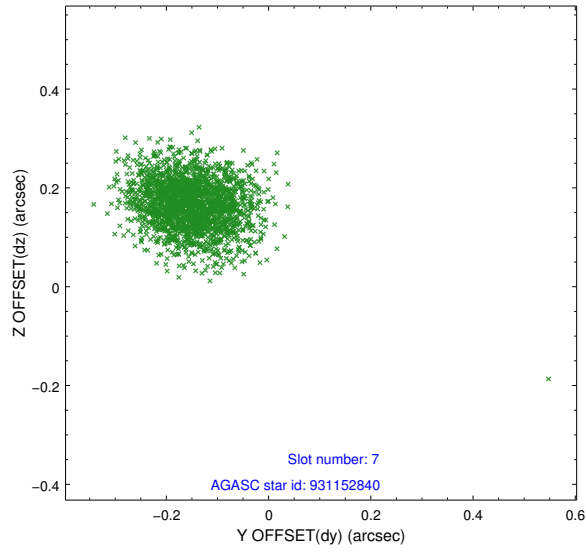
2.4.3 Slot 5



2.4.4 Slot 6

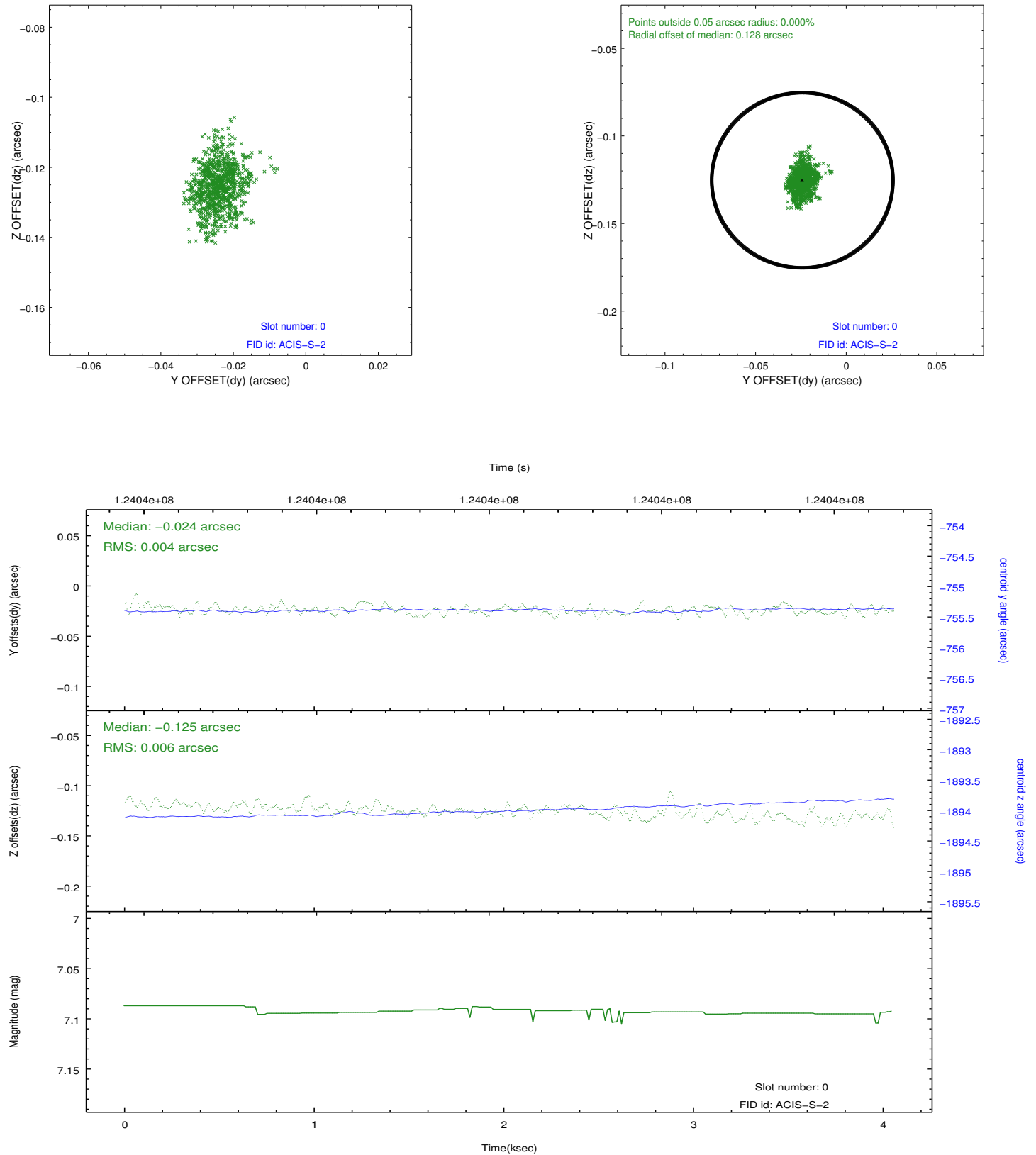


2.4.5 Slot 7

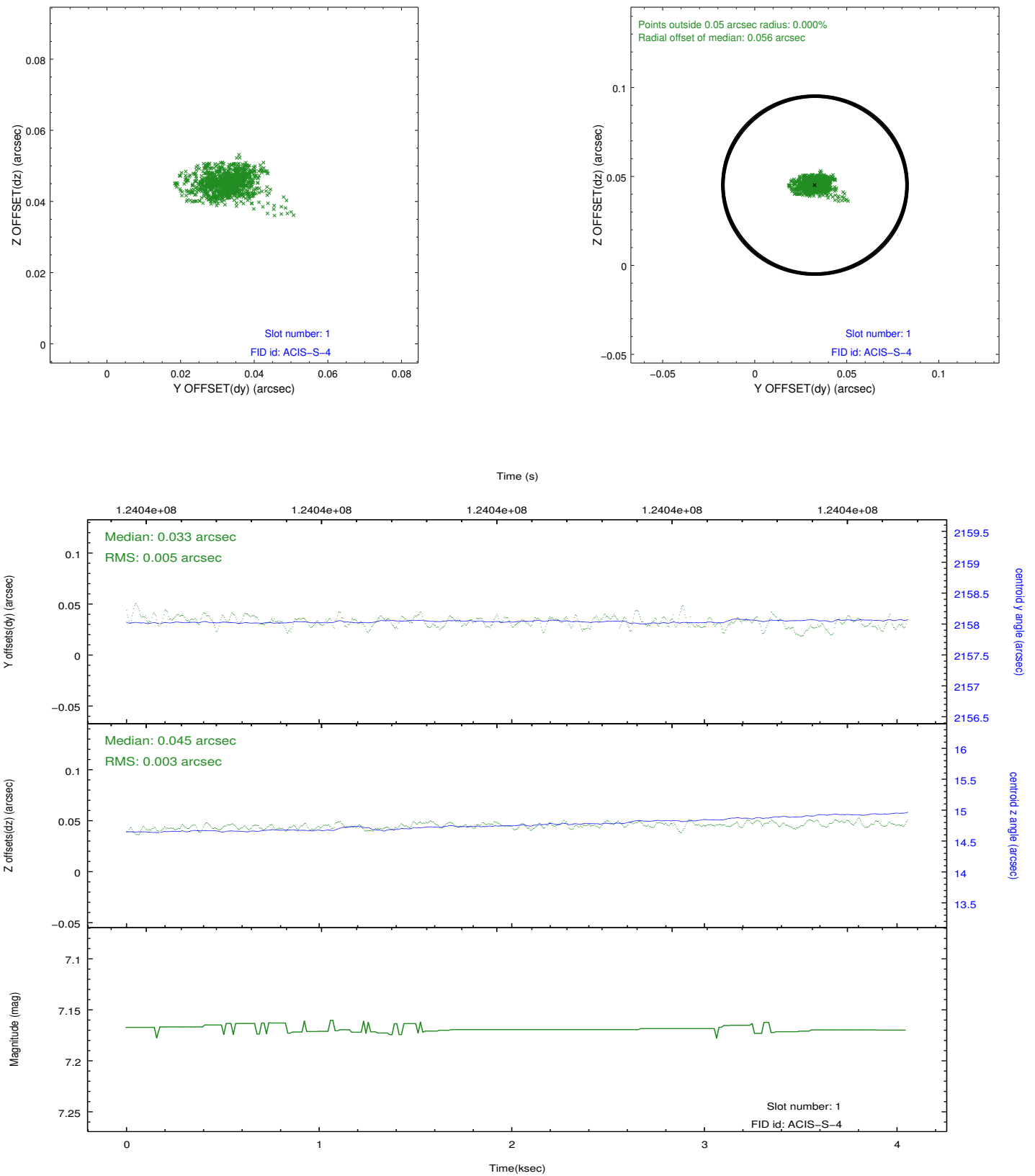


2.5 FID Slots

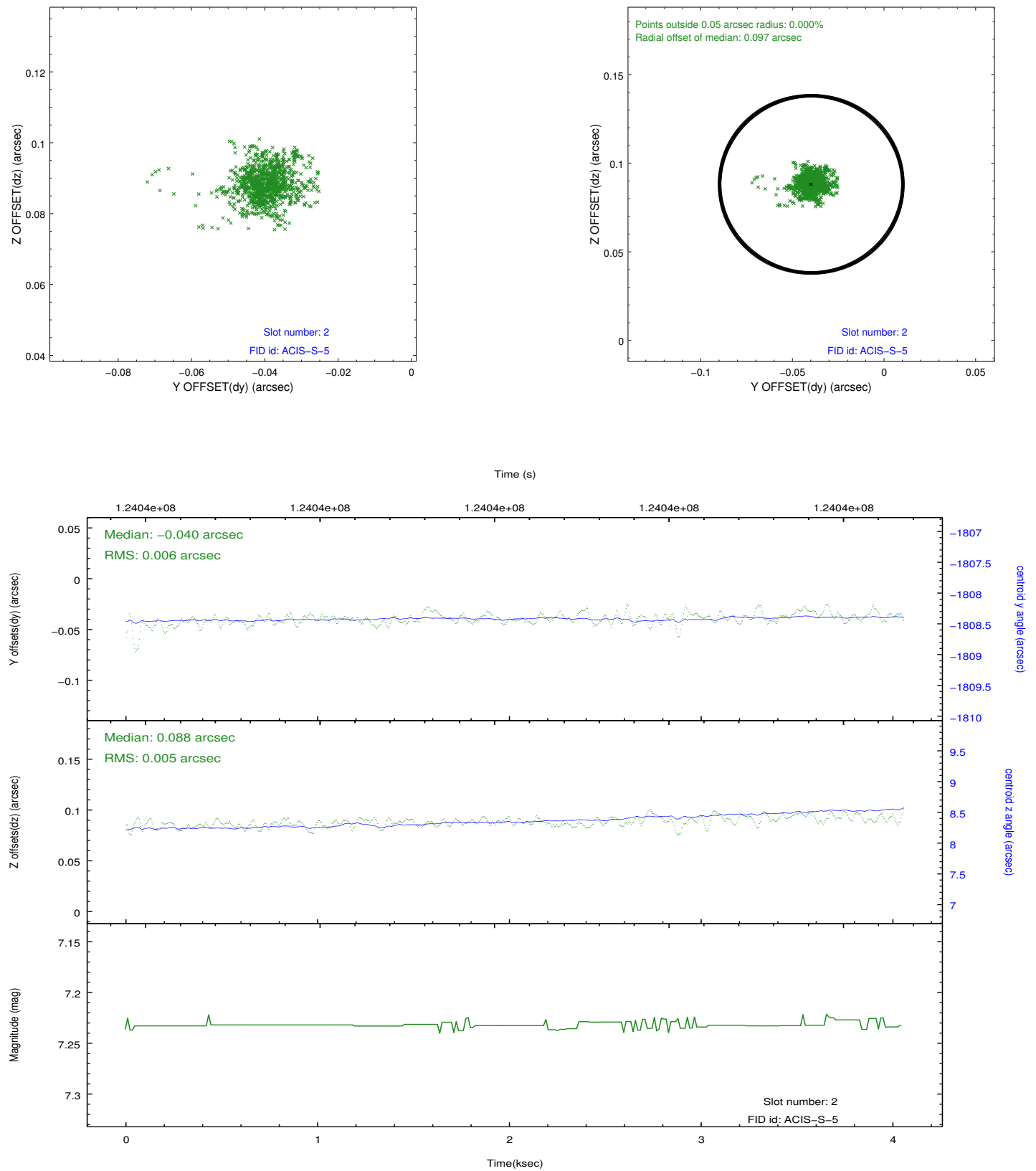
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.055

A.2 Comments