

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 854 - L2 Version 5
Chandra X-Ray Center

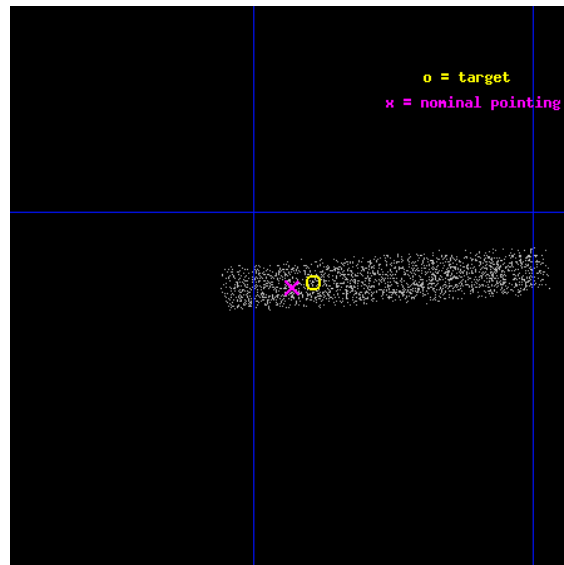
L2 Processing Date : Sep 5 2012

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1 Front

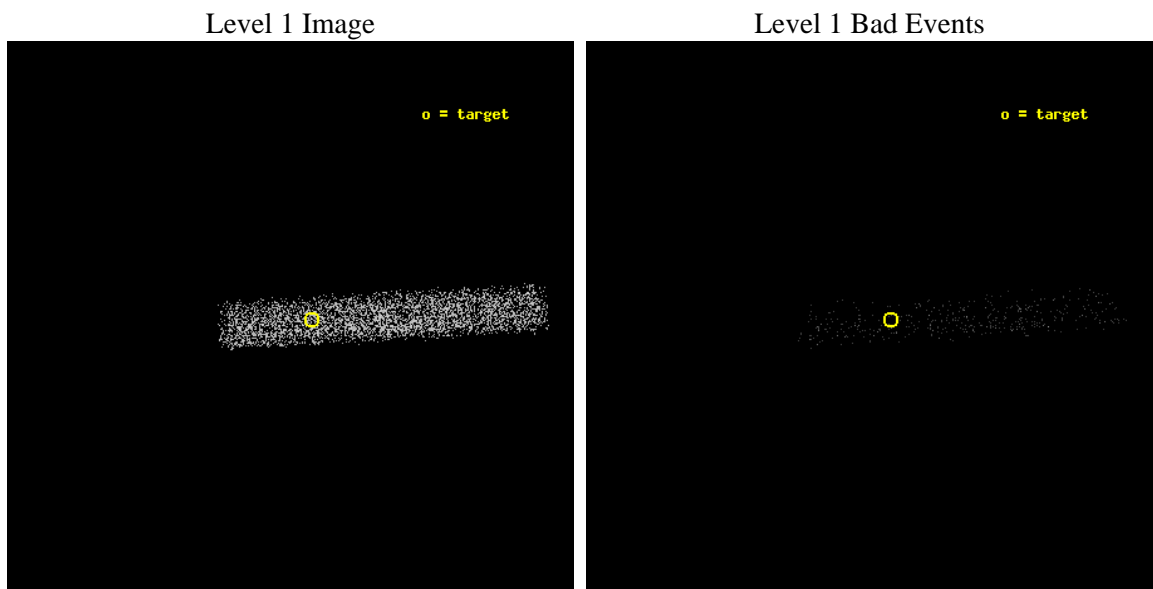
seq_num	700159	Sequence number
obs_id	854	Observation id
title	X-RAYS FROM RADIO-LOUD BROAD ABSORPTION LINE QSOS	Proposal title
observer	Prof. Michael Brotherton	Principal investigator
object	BAL 2359-1241	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	359.973333	Observer's specified target RA [deg]
dec_targ	-12.696944	Observer's specified target Dec [deg]
ra_nom	359.98307836346	Nominal RA [deg]
dec_nom	-12.699399346416	Nominal Dec [deg]
roll_nom	356.51238200604	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5294.8000788987	Sum of GTIs [s]
livetime	4802.1041890973	Livetime [s]
ontime7	5294.8000788987	Sum of GTIs [s]
l2events	2254	Number of level 2 events



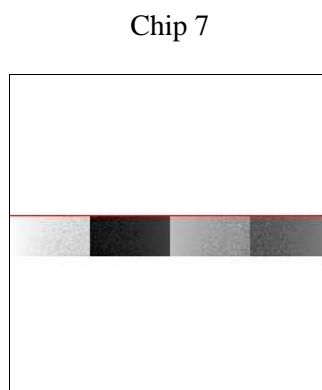
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5294.8000788987	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime7	5294.8000788987	Sum of GTIs [s]
date	2012-09-05T11:58:53	Date and time of file creation	l1events	6117	Number of level 1 events
revision	5	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	6117
rejected events	3746
rejected %	61%

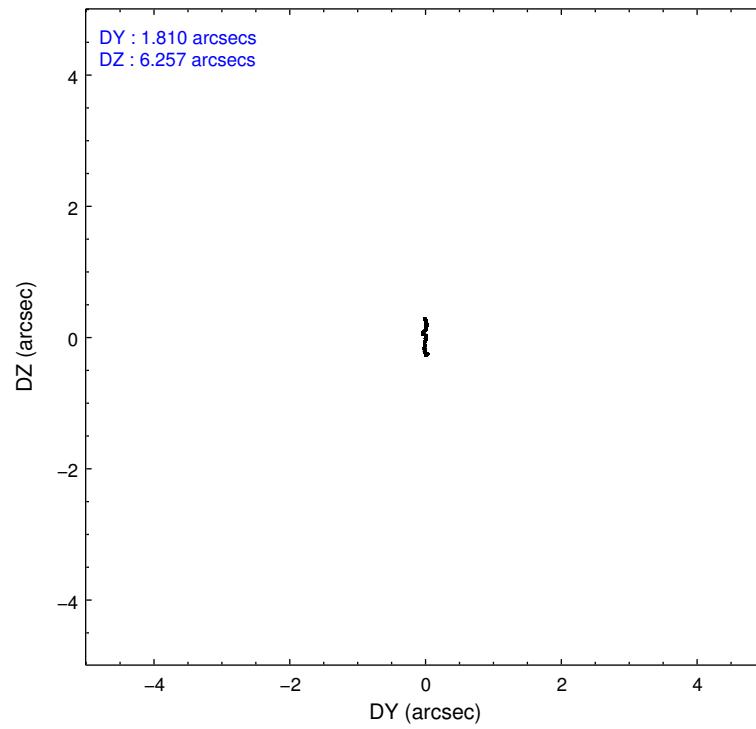
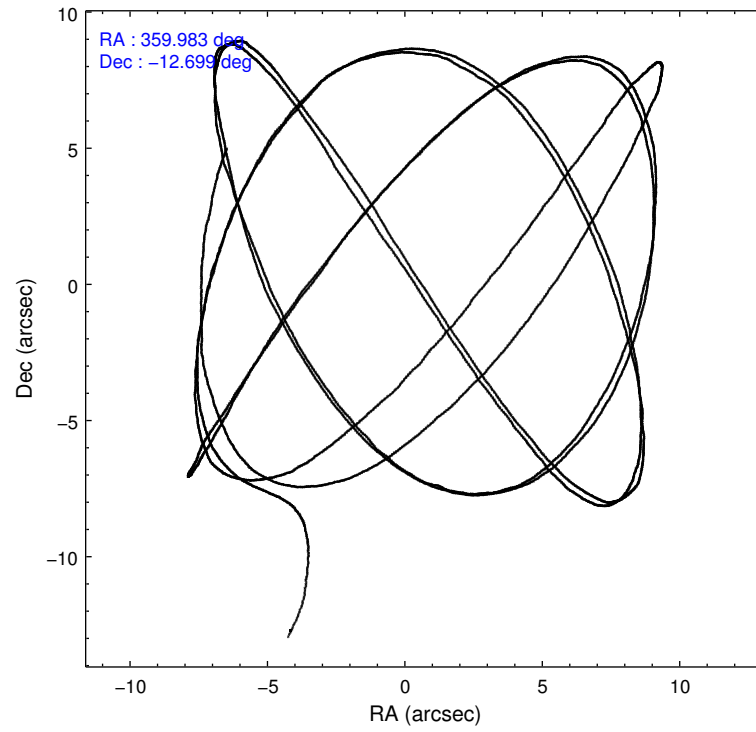
	ccd 7
grade 0 events	331
	5%
grade 1 events	6
	0%
grade 2 events	551
	9%
grade 3 events	384
	6%
grade 4 events	359
	5%
grade 5 events	536
	8%
grade 6 events	1274
	20%
grade 7 events	2676
	43%

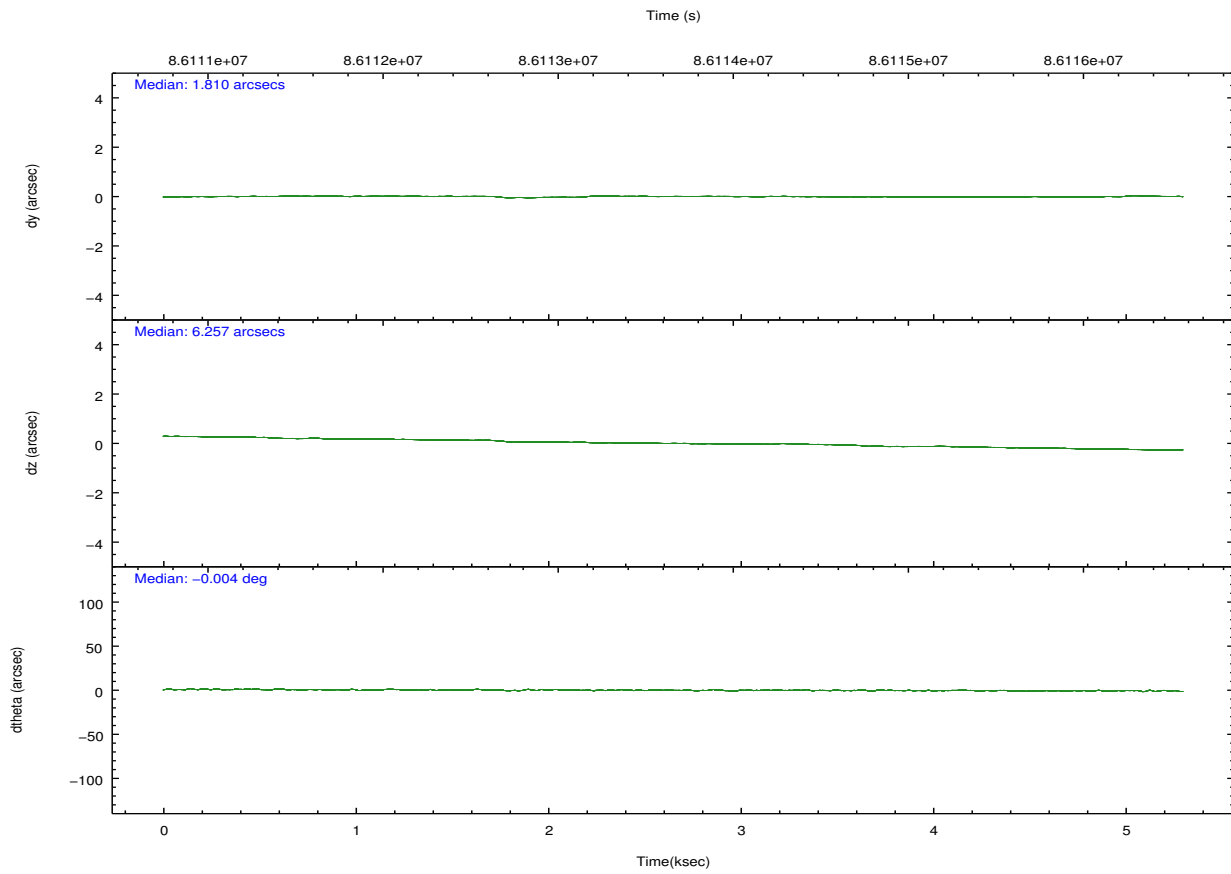
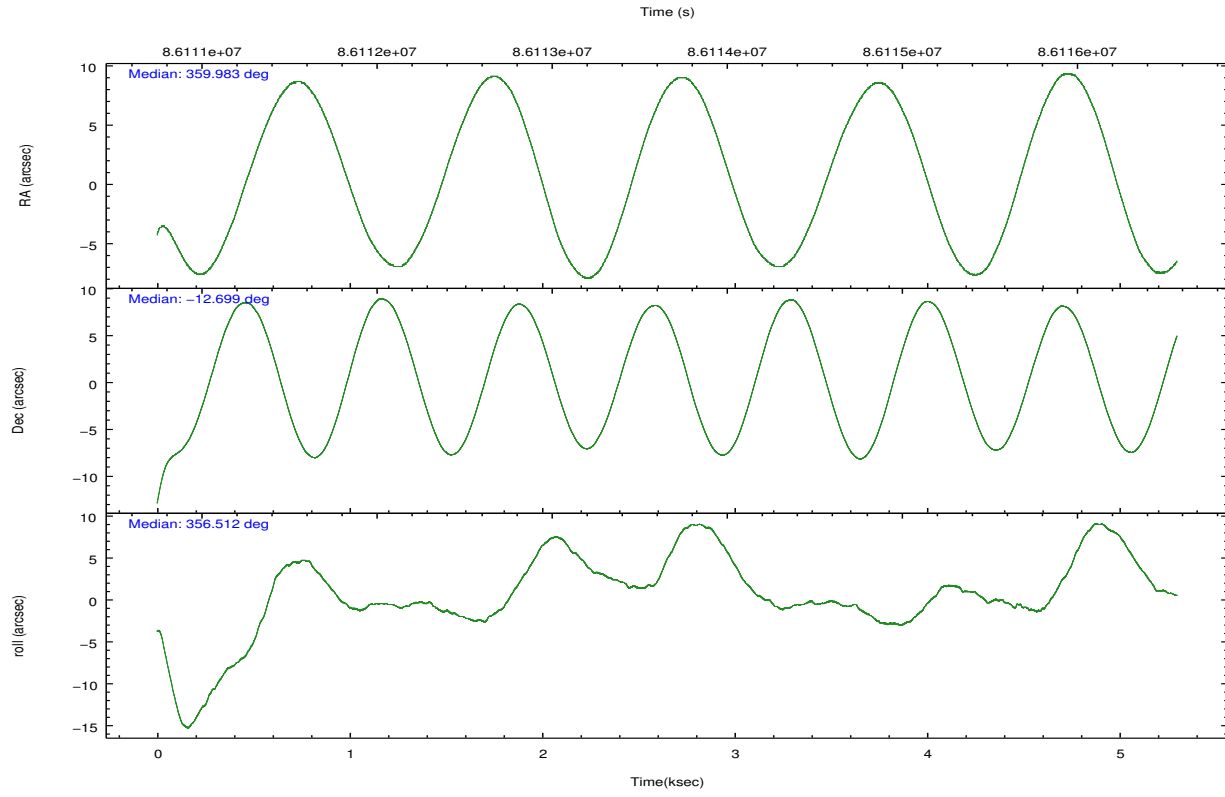
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	359.958158	359.9830783634561
[deg] Pointing Dec	-12.711695	-12.69939934641601
[deg] Pointing Roll	356.350245	356.5123820060356
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.145094680475
[mm] SIM translation stage offset	0	0.01257209746719923
[s] Observation start time (MET)	86111200.184000	86109971.587623
Observation start date	2000-09-23T15:45:36	2000-09-23T15:26:11
[s] Observation end time (MET)	86116300.184000	86116617.175373
Observation end date	2000-09-23T17:10:36	2000-09-23T17:16:57
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	447	447
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



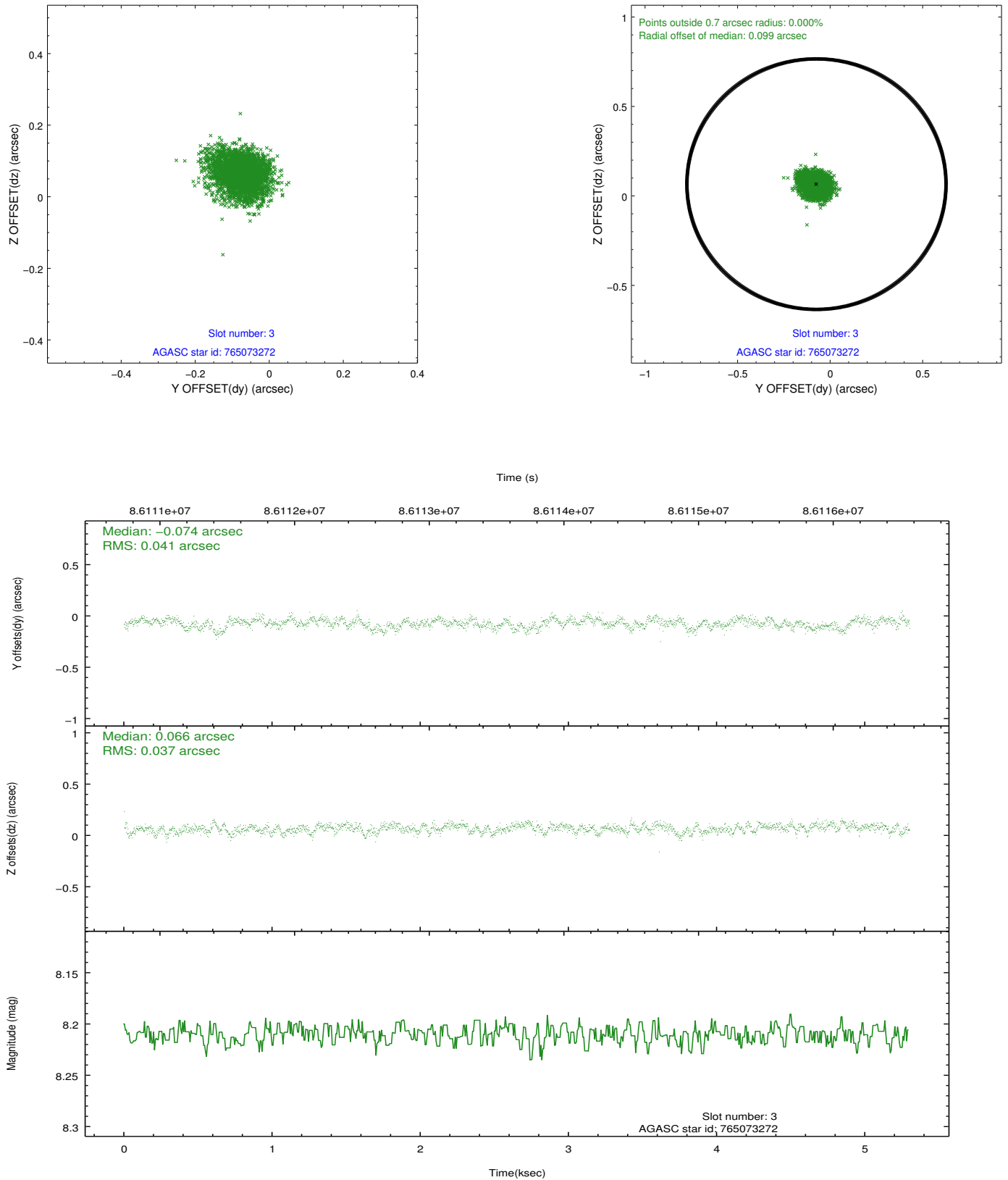


Slot Statistics

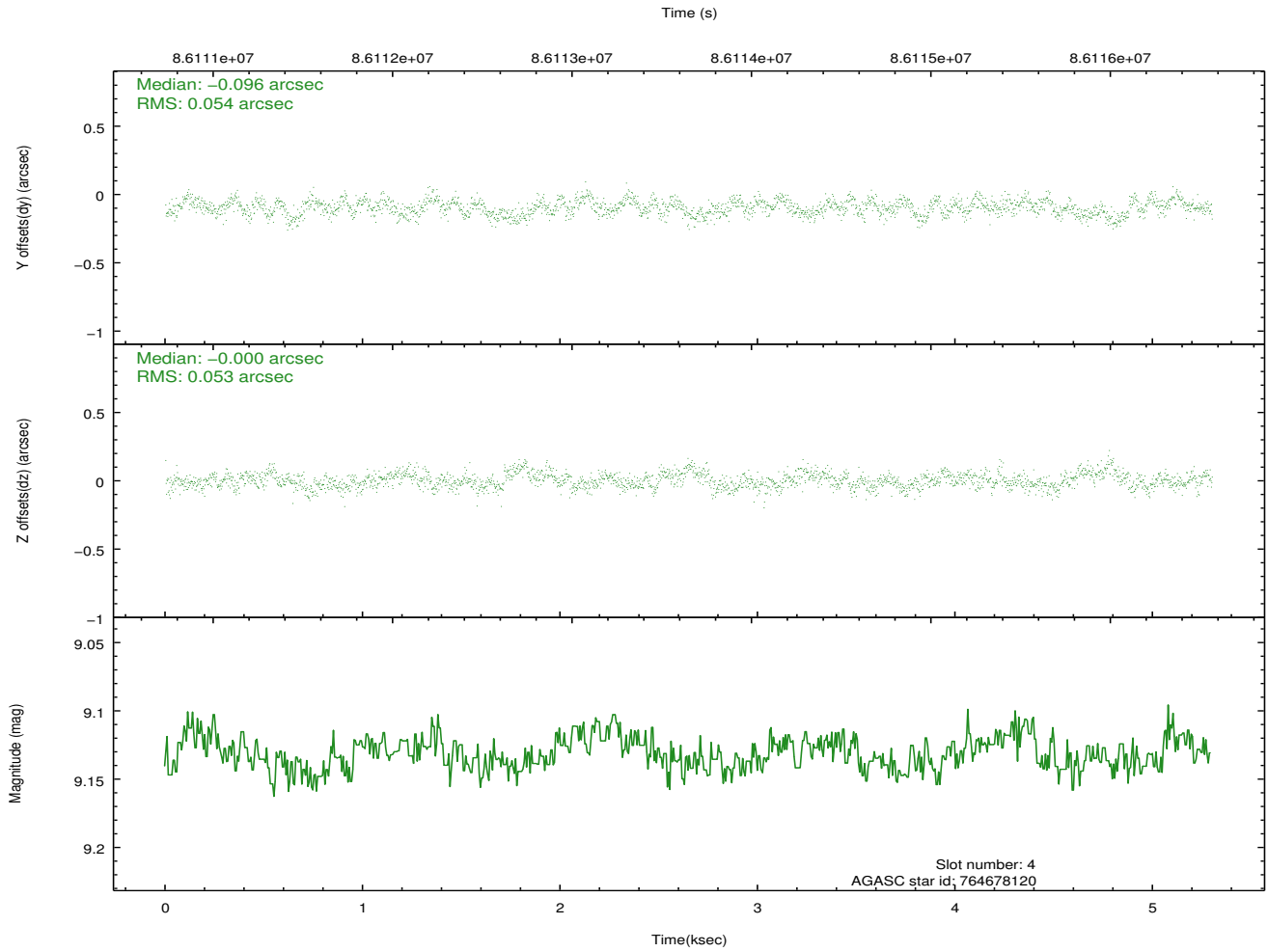
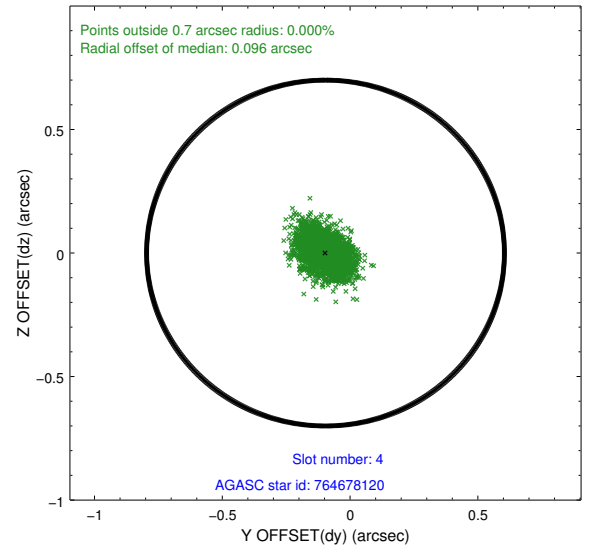
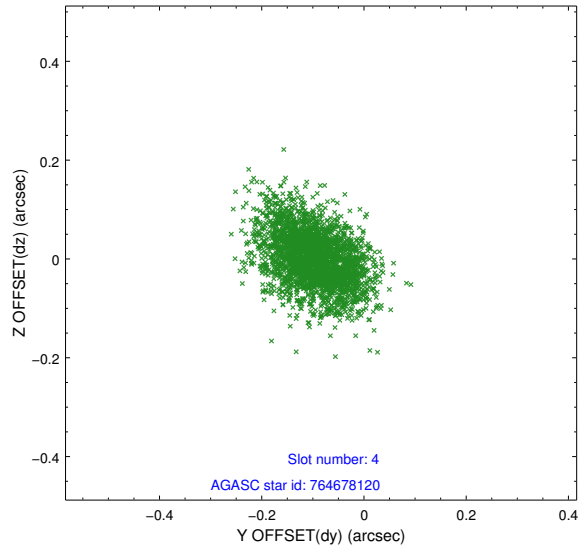
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1293	-0.037	0.006	0.006	0.010	0.000000	0.000000	-754.44	-1727.31
1	FID	ACIS-S-4	7.21	1293	-0.024	0.017	0.006	0.010	0.000000	0.000000	2158.32	180.03
2	FID	ACIS-S-5	7.24	1293	0.031	-0.014	0.006	0.010	0.000000	0.000000	-1805.76	174.94
3	GUIDE	765073272	8.21	2585	-0.074	0.066	0.058	0.096	359.276625	-12.960392	-2327.23	-1048.98
4	GUIDE	764678120	9.13	2585	-0.096	-0.000	0.080	0.133	359.861168	-12.346239	-423.38	1290.61
5	GUIDE	690231144	10.10	2574	0.070	-0.025	0.117	0.186	0.489255	-12.548911	1827.02	702.09
6	GUIDE	765071528	9.94	2584	0.142	-0.049	0.133	0.327	359.984569	-12.933259	145.93	-790.05
7	GUIDE	689834096	9.44	2584	-0.060	0.008	0.085	0.137	0.124752	-12.402416	515.46	1147.78

2.4 Star Slots

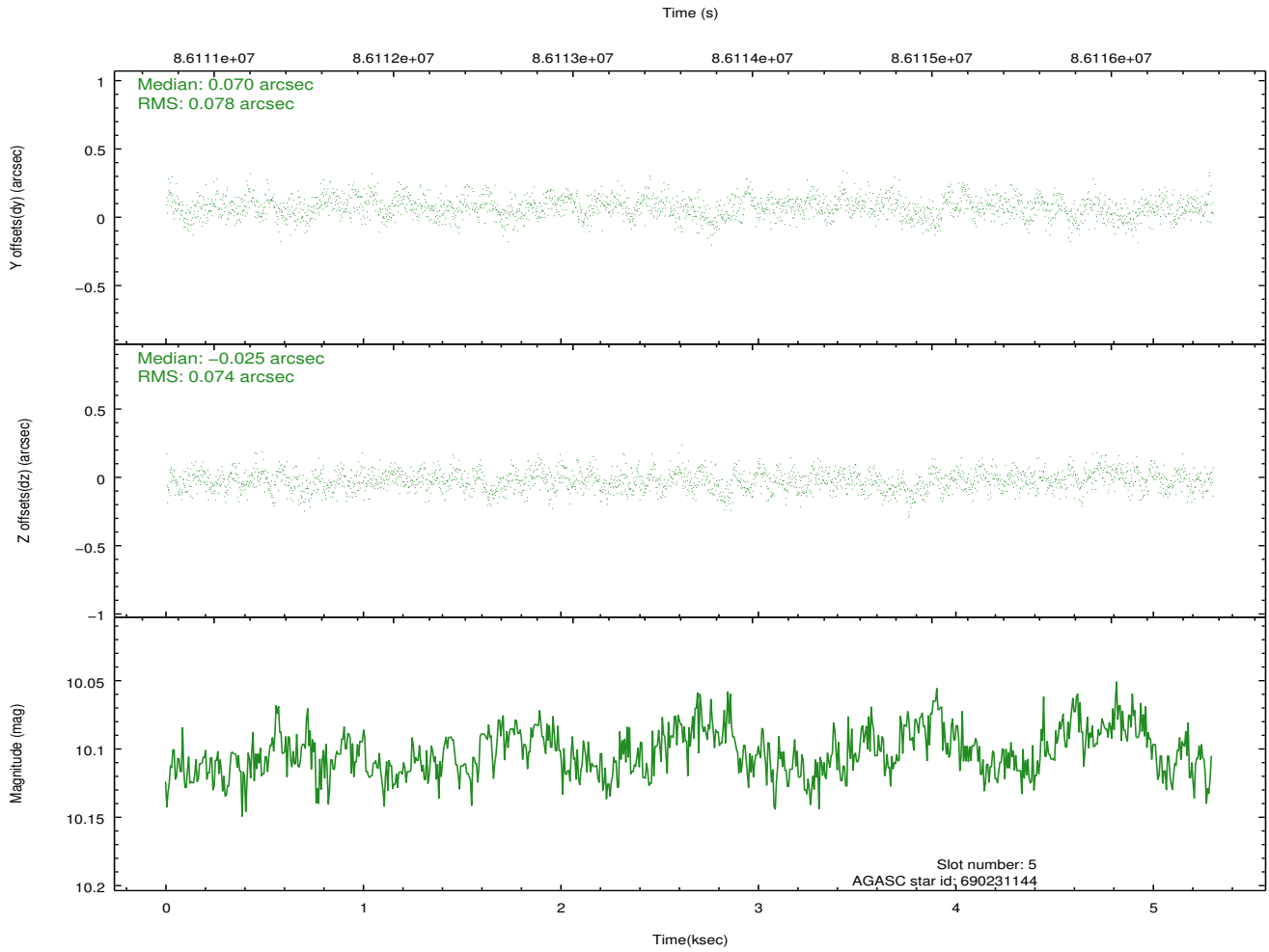
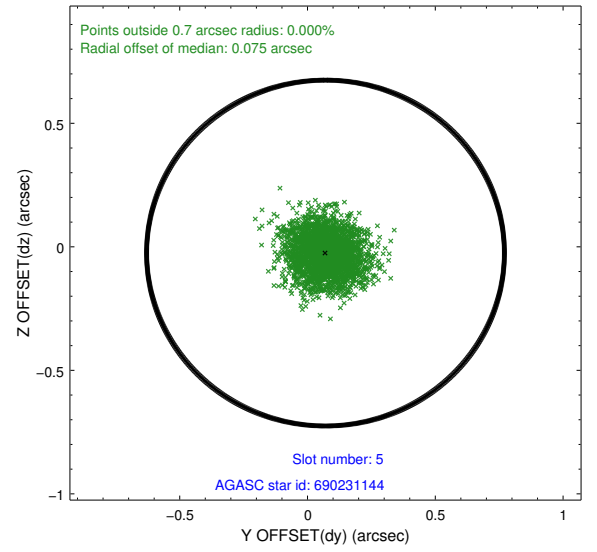
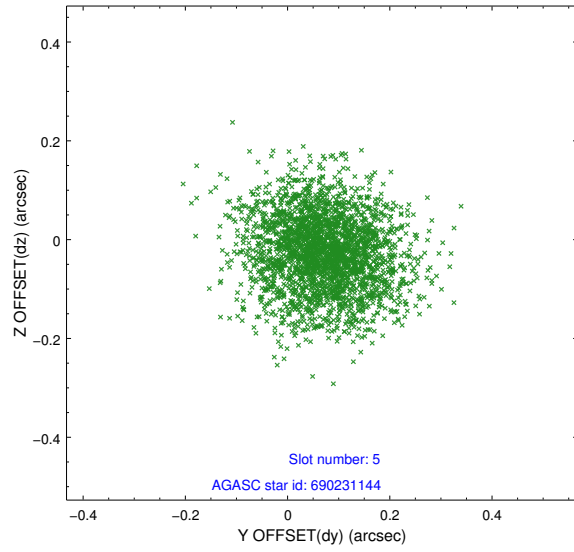
2.4.1 Slot 3



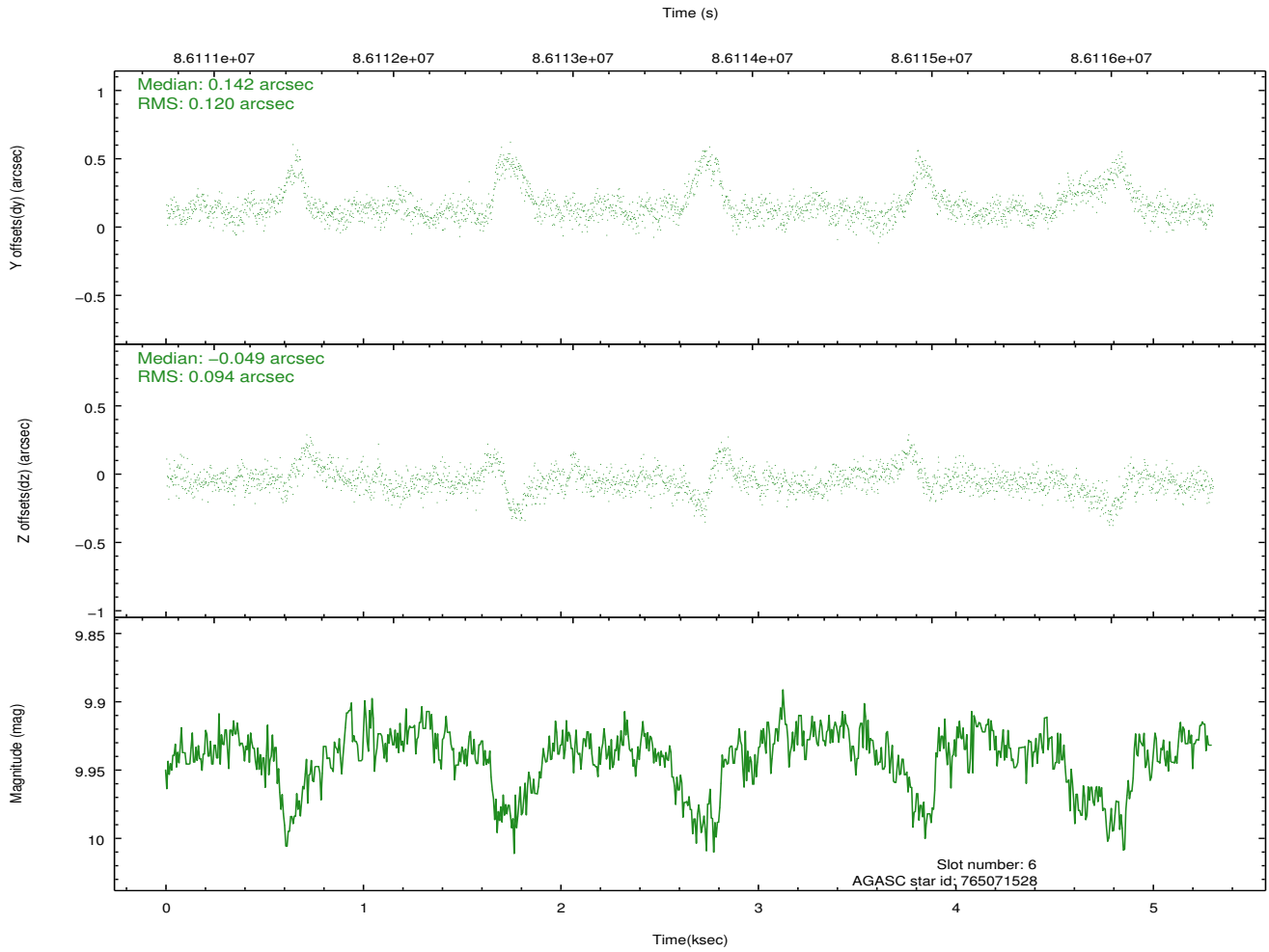
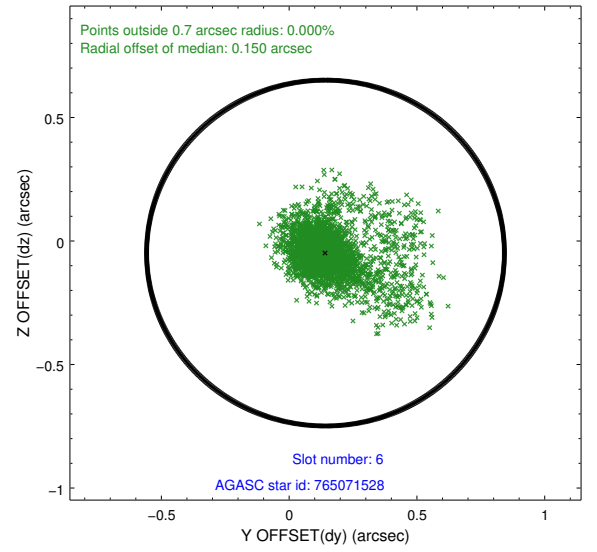
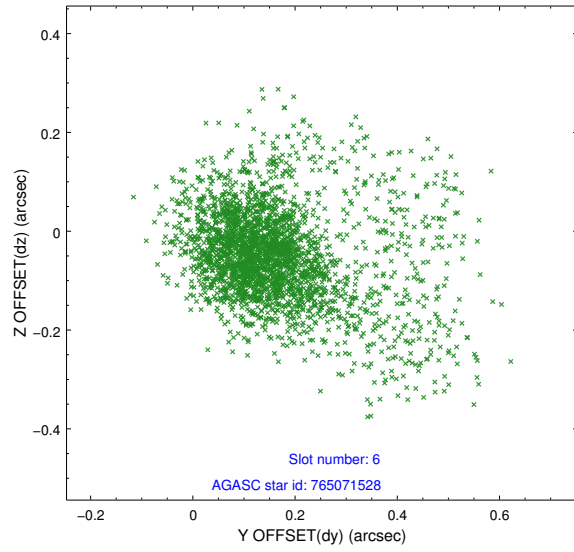
2.4.2 Slot 4



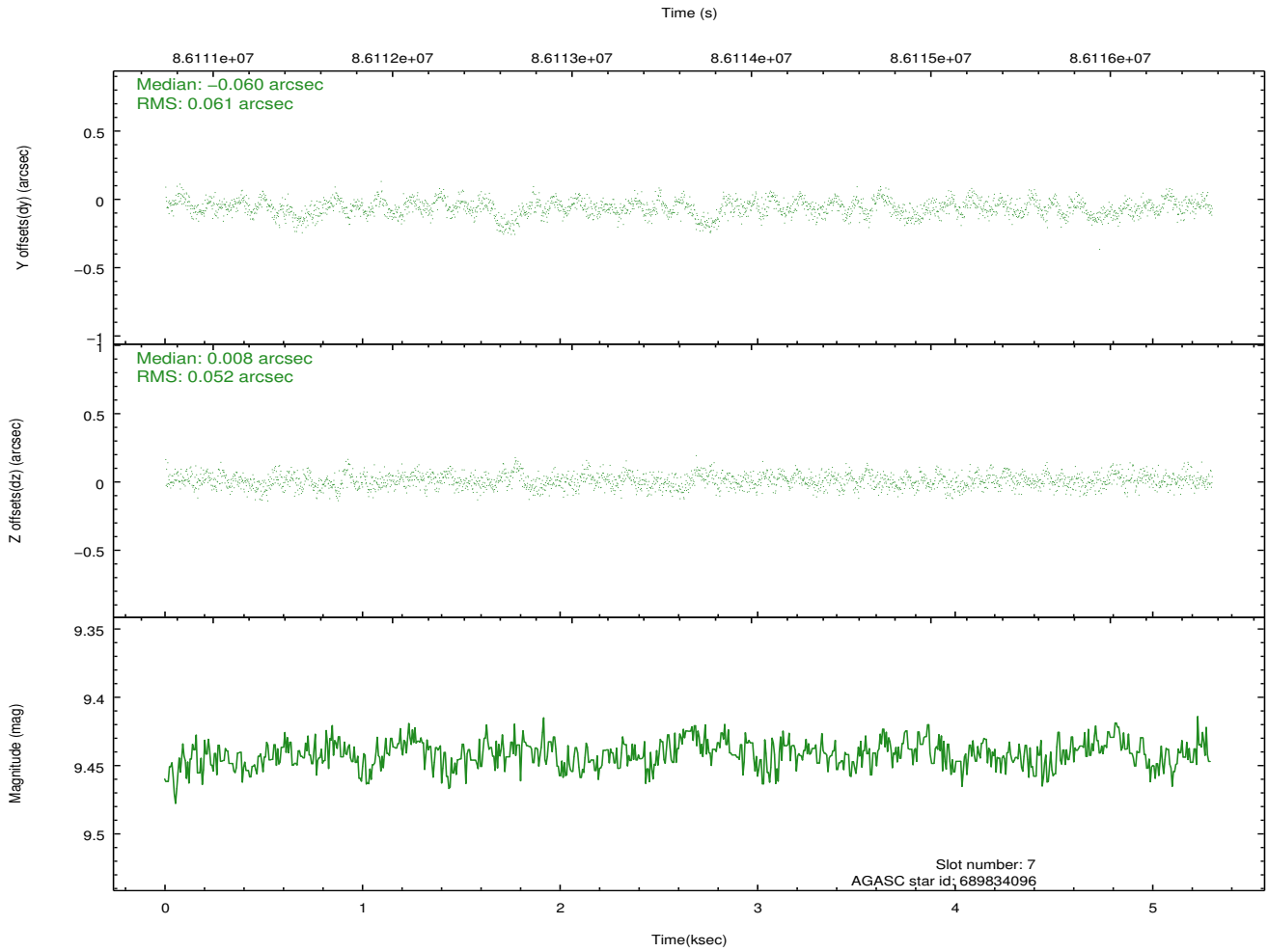
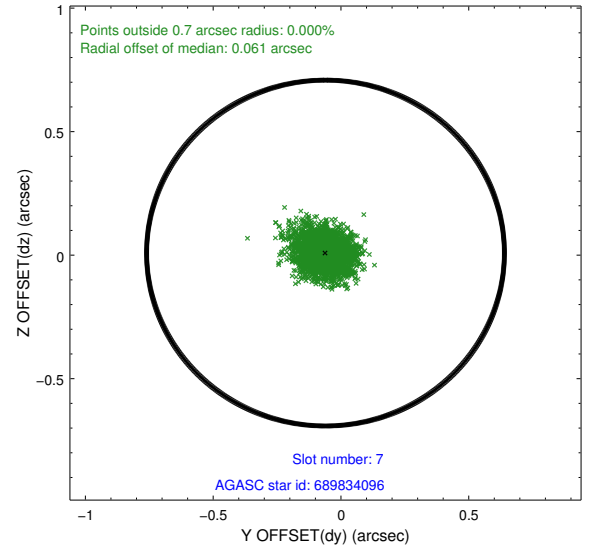
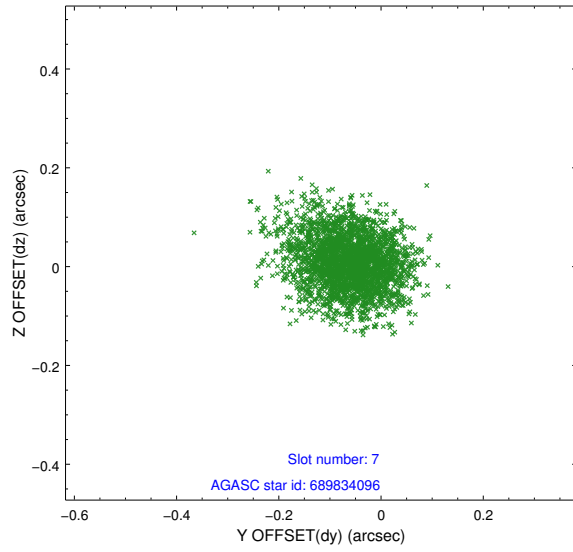
2.4.3 Slot 5



2.4.4 Slot 6

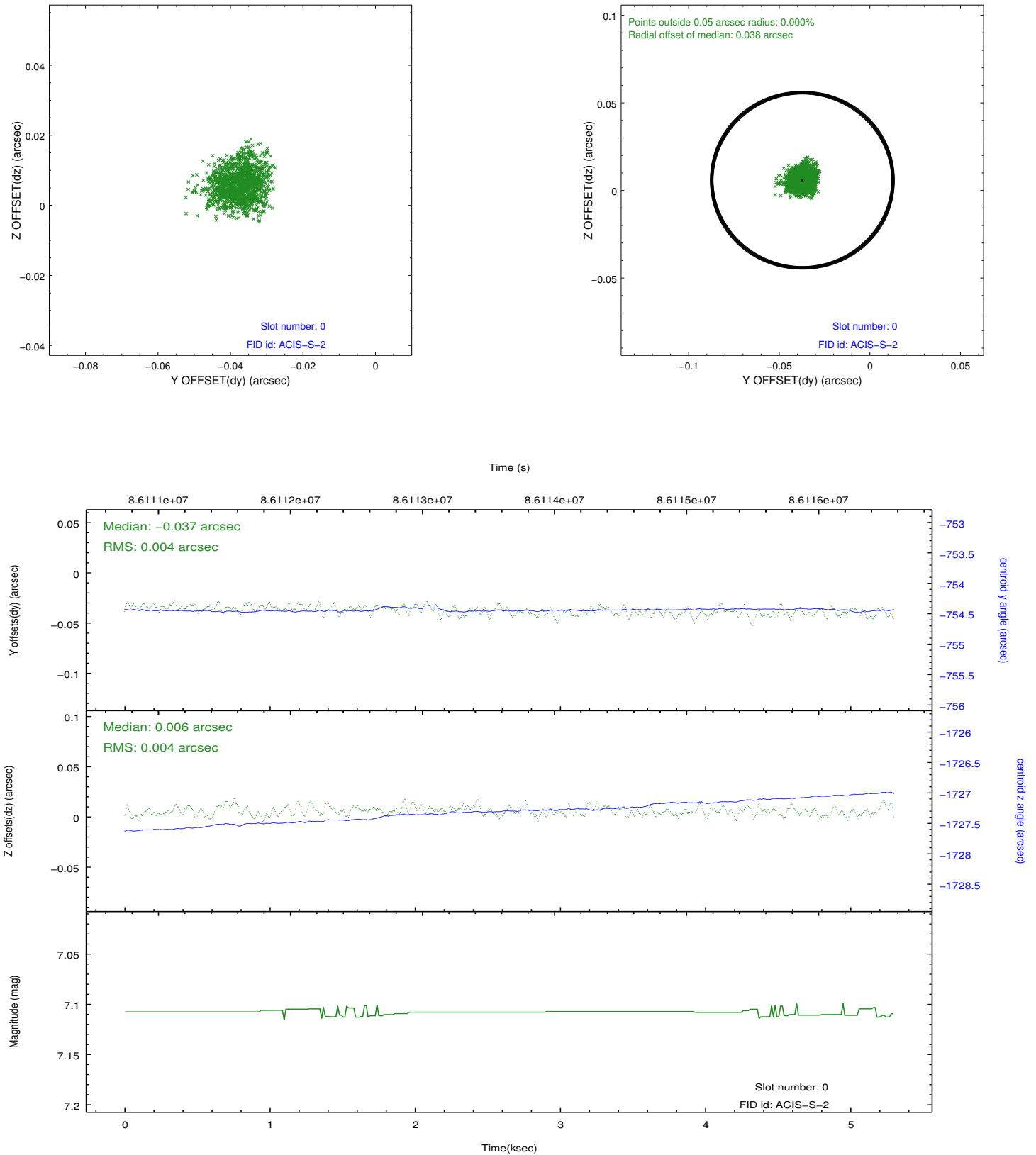


2.4.5 Slot 7

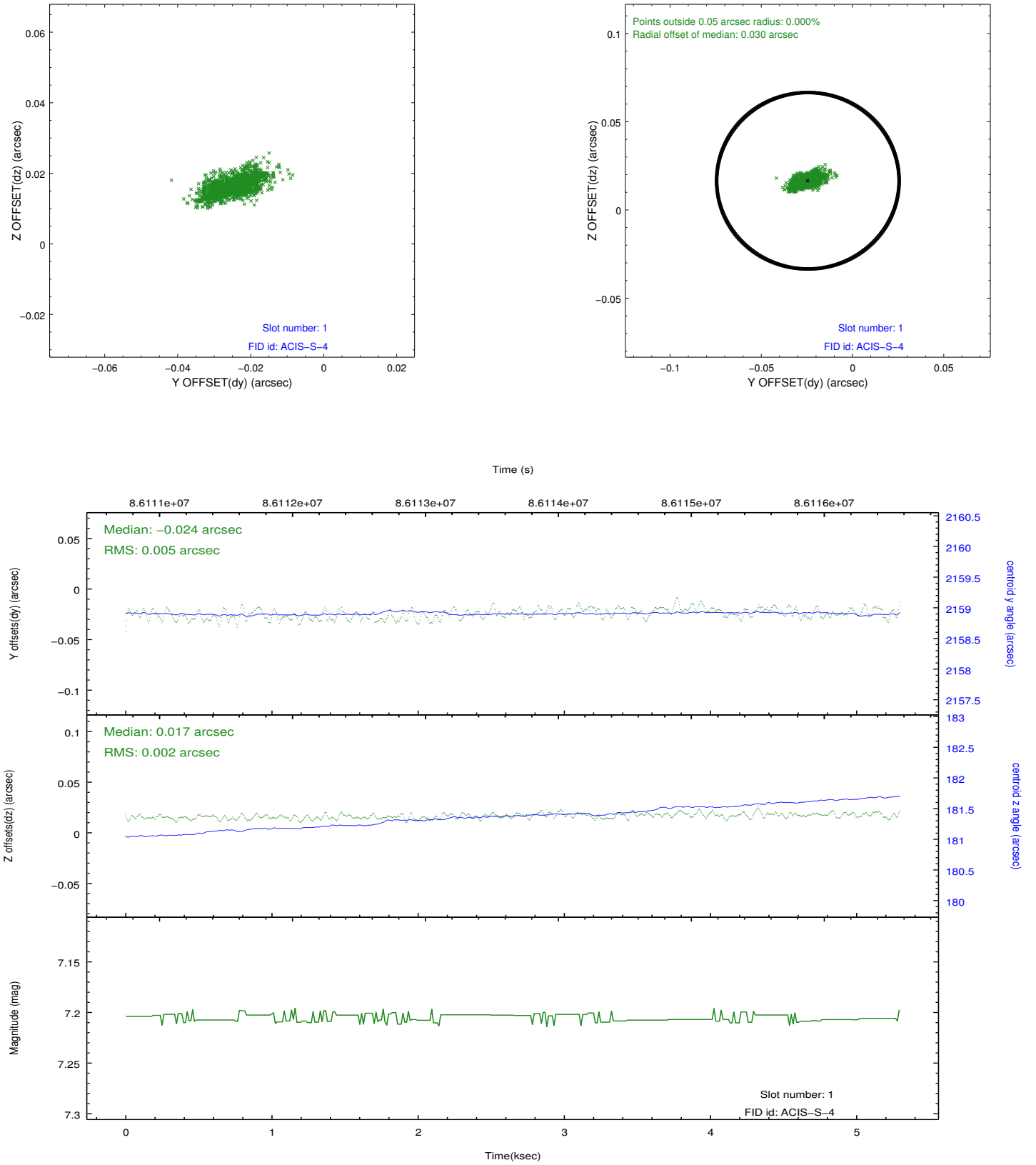


2.5 FID Slots

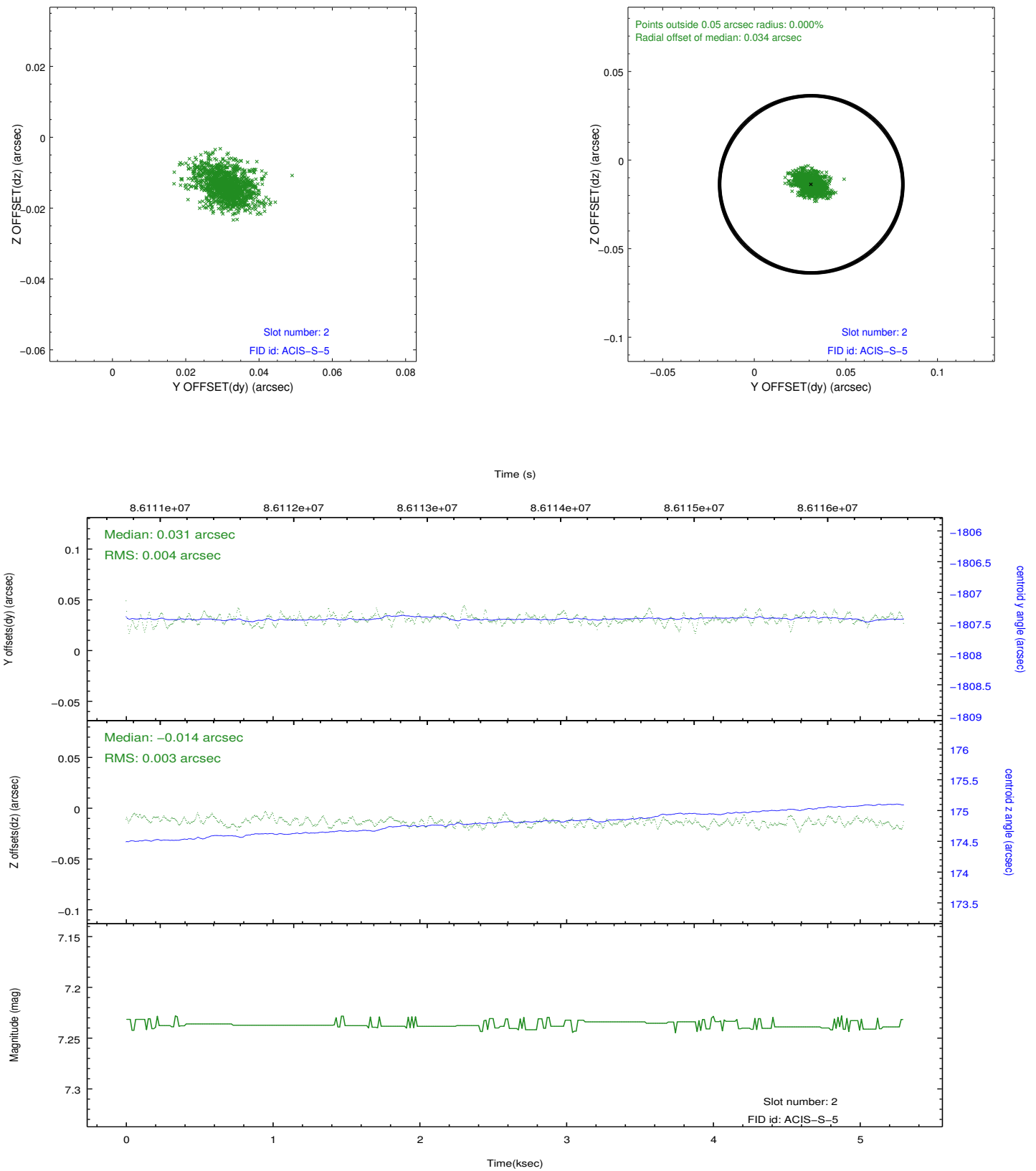
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.295

A.2 Comments