

		13-Sep		20-Oct		26-Oct		27-Oct		14-Nov		24-Nov		units
		diff	shaking	diff	shaking	diff	shaking	diff	shaking	diff	shaking	diff	shaking	
IM2	Length	0.1	0.5	-0.1	0.3	-0.4	0.5	0.3	0.5	0.5	0.5	0.0	0.5	um
	Pitch	-14.7	8.6	26.2	6.0	46.3	6.8	-40.1	4.9	-47.6	8.7	15.3	4.1	urad
	Yaw	2.2	5.7	-0.4	11.4	4.9	12.2	-4.7	8.3	-0.8	14.3	0.0	2.2	urad
	P Offset	0.0		0.0		0.0		0.0		0.0		0.0		
	Y Offset	0.0		0.0		0.0		0.0		0.0		0.0		
ISI only	x		0.04		5.42		0.05		0.02		8.22		3.68	mm
	y		26.02		0.03		0.02		0.01		3.08		0.21	mm
	z		0.05		0.00		0.04		0.01		0.02		0.03	mm
	rx		0.00		0.00		0.01		0.01		0.00		0.00	mrاد
	ry		0.00		0.00		0.00		0.02		0.00		0.00	mrاد
	rz		20.08		0.04		0.00		0.00		2.44		0.28	mrاد
HEPI only	x		0.00		0.02		0.01		0.01		0.02		0.01	mm
	y		0.01		0.00		0.00		0.01		0.01		0.00	mm
	z		0.01		0.01		0.01		0.03		0.00		0.00	mm
	rx		0.01		0.00		0.00		0.04		0.00		0.00	mrاد
	ry		0.00		0.01		0.00		0.04		0.01		0.01	mrاد
	rz		0.00		0.00		0.00		0.02		0.01		0.00	mrاد
	hp		0.00		0.00		0.00		0.01		0.00		0.00	mm
	vp		0.00		0.00		0.00		0.02		0.00		0.00	mm
HEPI and ISI	x		0.04		5.43		0.06		0.03		8.24		3.69	mm
	y		26.02		0.03		0.02		0.01		3.09		0.21	mm
	z		0.06		0.01		0.04		0.04		0.03		0.04	mm
	rx		0.01		0.00		0.01		0.05		0.01		0.00	mrاد
	ry		0.00		0.01		0.00		0.06		0.01		0.01	mrاد
	rz		20.09		0.04		0.00		0.02		2.45		0.29	mrاد

pitch diff	-14.7		26.2		46.3		-40.1		-47.6		15.3		
max. HEPI-ISI shaking		26.02		5.43		0.06		0.06		8.24		3.69	
pitch diff/ max. HEPI-ISI shaking	-0.6	urad/mm	4.8	urad/mm	833.2	urad/mm	-683.3	urad/mm	-5.8	urad/mm	4.1	urad/mm	

pitch diff	-14.7		26.2		46.3		-40.1		-47.6		15.3		
average optic shaking, (p+y)/2		7.1		8.7		9.5		6.6		11.5		3.1	
pitch diff / ave. optics shaking	-2.1	urad/urad	3.0	urad/urad	4.9	urad/urad	-6.1	urad/urad	-4.1	urad/urad	4.9	urad/urad	