SI 1.1 Positions and orientations set for the instrumental components

		Mirror No.	Distance from the mirror's center to the nearest corner point of the stone square (mm)		The angle (°) of the mirror to the right-handed horizon (measured from its lower edge to the higher on the CAD layout)	Notes
			horizontal	vertical		
1. Fixed mirrors		d1	18.75000000	-131.25000000	43.44000000	Indicating the center point of each fixed and adjustable mirror and its plane's angle to the right-handed horizon
		d2	18.75000000	-56.25000000	44.23239074	
		d3	56.25000000	-18.75000000	44.23239074	
		d4	131.25000000	-18.75000000	44.23239074	
		d5	-18.75000000	-131.25000000	136.40527677	
		d6	-18.75000000	-56.25000000	135.77000000	
		d7	-56.25000000	-18.75000000	135.35000000	
		d8	-131.25000000	-18.75000000	135.77000000	
		e1	-131.25000000	18.75000000	44.23239074	
		e2	-56.25000000	18.75000000	44.23239074	
		e3	-18.75000000	56.25000000	44.23239074	
		e5	131.25000000	18.75000000	135.60000000	
		e6	56.25000000	18.75000000	135.60000000	
		e7	18.75000000	56.25000000	135.60000000	
2. The movable mirror e4	The chosen azimuth along which the instrument was in motion while the adjustment was undergoing	Azimuth O1 (0°)	-161.29134224	273.78685509	45.01897494	
		Azimuth O3 (45°)	-161.29147820	273.78699094	45.01897494	
		Azimuth O5 (90°)	-161.29034794	273.78586145	45.01897494	
		Azimuth O7 (135°)	-161.28975198	273.78526589	45.01897494	
3. The tilting mirror e8	The chosen azimuth along which the instrument was in motion while the adjustment was undergoing	Azimuth O1 (0°)	154.51451065	267.01451063	134.86455753	
		Azimuth O3 (45°)	154.51504423	267.01504173	134.86687586	
		Azimuth O5 (90°)	154.51451065	267.01451063	134.87245890	
		Azimuth O7 (135°)	154.51451065	267.01451063	134.87803531	
4. Telescope f	The chosen azimuth along which the instrument was in motion while the adjustment was undergoing	Azimuth O1 (0°)	-342.96286308	104.17690340	131.85313411	1) Indicating the center point of the cross-wire of the telescope to the right-down corner point of the stone square. 2) Indicating the angle of the longitudinal axis of the telescope to right-handed horizon.
		Azimuth O3 (45°)	-343.63518752	103.57457155	131.85545244	
		Azimuth O5 (90°)	-343.00129078	104.14247386	131.86103548	
		Azimuth O7 (135°)	-341.43255306	105.54799501	131.86661189	
5. Light source a	To the left-down corner point of the stone square		204.79123550	-54.79123550	48.11810506	Extended light source
6. Light beam splitter b	To the left-down corner point of the stone square		750.82128005	547.18488787	89.98956506	Indicating the center of the glass pannel and its plane-angle to the right-handed horizon
7. Light beam compensator c	To the left-down corner point of the stone square		944.03307293	755.87758700	89.98956506	
8. The stone square	1.5m * 1.5m					
9. Thickness of the beam splitter b	1.25 cm					
10. Thickness of the compensator c	1.25 cm					
11. Diameter of each mirror	5 cm					