

# IGS Reference Frame

WORKING GROUP

The products produced are suitable for other IGS products and for various studies, such as plate tectonics, regional deformations, and temporal variations.

The definition of national reference systems can also benefit from the IGS realization of ITRF.

The objective of this Working Group is to align the IGS station coordinates, Earth rotation parameters, and geocenter estimates with the International Terrestrial Reference Frame.

## IGS ITRF SINEX Products Precision

	AVAILABILITY	INTERVAL	PRECISION
IGS weekly combined	2–4 weeks	1 week	5–10 mm
IGS cumulative combined	2–4 weeks	1 week	1–5 mm, 1–3 mm/year
Polar motion	2–4 weeks	1 day	0.1 mas, 0.2 mas/day
Length of day	2–4 weeks	1 day	0.05 ms
Geocenter	2–4 weeks	1 week	5–10 mm