



GOES-East Transition Plan - Swap of GOES-16/19

Date (Based on 6/25/24 Launch)	GOES-16		GOES-19	
	Location	Activity	Location	Activity
6/25/24 – 7/24/24	75.2°W	GOES-East Operations		Launch and Orbit Raising
7/25/24 – 1/25/25			89.5°W	GOES-19 PLT and PLPT <ul style="list-style-type: none"> First public ABI Image (Vis & IR) @ 89.5°W GRB turned on and L1b added upon beta maturity
1/28/25				GOES-19 Handover Readiness Review (HRR)
1/29/25				GOES-19 Handover to NOAA
1/29/25 – 3/17/25				GOES-19 Pre-Drift Product Checkout <ul style="list-style-type: none"> Avoid G17 Storage Checkout (3/10 – 3/29)
3/17/25 – 4/1/25		GOES-16 “nudge” to 75.5°W		GOES-19 Drift from 89.5°W to 75.2°W <ul style="list-style-type: none"> ~1 deg/day drift GRB Off for drift
4/1/25	75.5°W	GOES-16 in co-location configuration <ul style="list-style-type: none"> X-Band and S-Band downlink for colocation 	75.2°W	GOES-19 arrives at 75.2°W and instruments resume <ul style="list-style-type: none"> X-Band and L-Band downlink after drift for colocation
4/1/25 – 4/4/25		GOES-16 in co-location configuration <ul style="list-style-type: none"> X-Band and S-Band downlink 		GOES-19 Post-Drift Product Checkout at new location <ul style="list-style-type: none"> X-Band and L-Band downlink
4/3/25				GOES-19 Operational Transition Readiness Review (OTRR)
4/4/25		X-band downlink off and instruments shut down <ul style="list-style-type: none"> End GOES-16 GRB Broadcast 		GOES-19 Declared operational GOES-East <ul style="list-style-type: none"> Begin GOES-19 GRB broadcast / nominal distribution SAR/DCS/HRIT/EMWIN services transitioned to GOES-19
4/4/25		Begin GOES-16 drift to 105°W <ul style="list-style-type: none"> Drift using LTRs ~0.5 deg/day max drift rate 		
6/4/25	105°W	GOES-16 arrival at 105°W followed by storage mode <ul style="list-style-type: none"> GOES-17 to relocate to 89.5W (Storage Location) after GOES-16 arrival confirmed successful 		