

## WSR-88D TROPICAL CYCLONE OPERATIONS PLAN “QUICK CHECK” LIST

**NOTE:** Record all adaptable parameters prior to making changes so they can be returned to their original values after the event.

STORM: \_\_\_\_\_ DATE: \_\_\_\_\_

Parameter	Current Setting	Recommendation	2023 Build 21.x TCOP Reference
AVSET		Enable	Page 9
Clutter Suppression		Enable CMD	Page 7
Max Precip Rate		150 to 200 mm/hr	Page 12
MDA		Set Minimum Display Filter Rank to 4 or 3	Page 14
MLDA Heights		Use Model_Enhanced if RAP model is available; otherwise use Radar_Based	Pages 13
*MSF		Manual	Page 7
PAIF Area Threshold & RAINA		Use default or optimized values	Page 10
PAIF Rate Threshold & RAINZ		Use default values	Page 10
*PPS R(Z) Relationship		TROPICAL	Page 12
Precipitation Accumulation		Reinitialize all accumulations	Page 10
Precipitation Product Data Levels		As appropriate for expected rainfall amounts	Page 11
*QPE R(Z, Zdr)		STRAT/TROP	Page 11
Range Folding		Optimize to see unobscured velocities near storm center Consider using Storm-Based Auto PRF	Page 9
*RDA Control		RPG/Remote	Page 6
*SAILS		Enable with VCPs 112, 212, and 215	Page 9
Supplemental Scans in QPE		Enable	Page 11
TDA		Check parameters listed in TCOP	Page 14
*VCP		112, 212, or 215	Pages 7-8
Velocity Dealiasing		Enable 2DVDA	Pages 7-8
*VMI		Adjust based on expected tropical cyclone category	Page 10

\*In the event of an evacuation, ensure these items have been updated.

**POST EVENT:** Return all adaptable parameters to original values. If you have questions concerning this list or any other radar-related issue, contact the WSR-88D Field Support Hotline. Typically, the Hotline is staffed by a meteorologist from 7:00 a.m. to 7:00 p.m. CDT; however, during significant tropical cyclone events (i.e., hurricanes), it will be staffed around the clock prior to landfall and until the storm is downgraded.