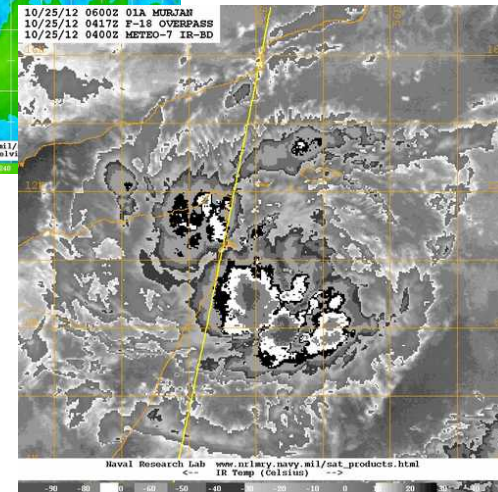
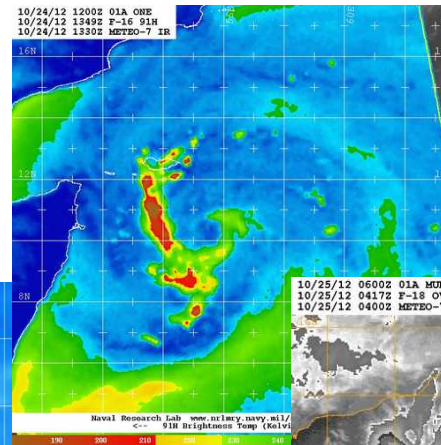
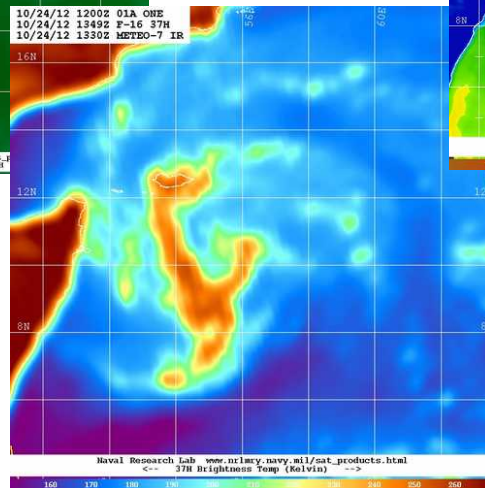
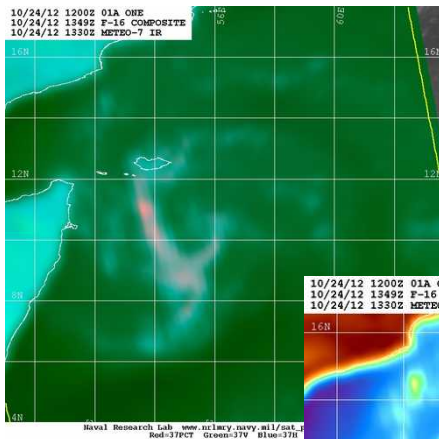




JOINT TYPHOON WARNING CENTER 2012 YEAR IN REVIEW



67th INTERDEPARTMENTAL HURRICANE CONFERENCE

5-7 MAR 2013

COLLEGE PARK, MD

Ashley D. Evans CAPT/USN
Mr. Robert (Bob) Falvey
Director, Joint Typhoon Warning Center 1

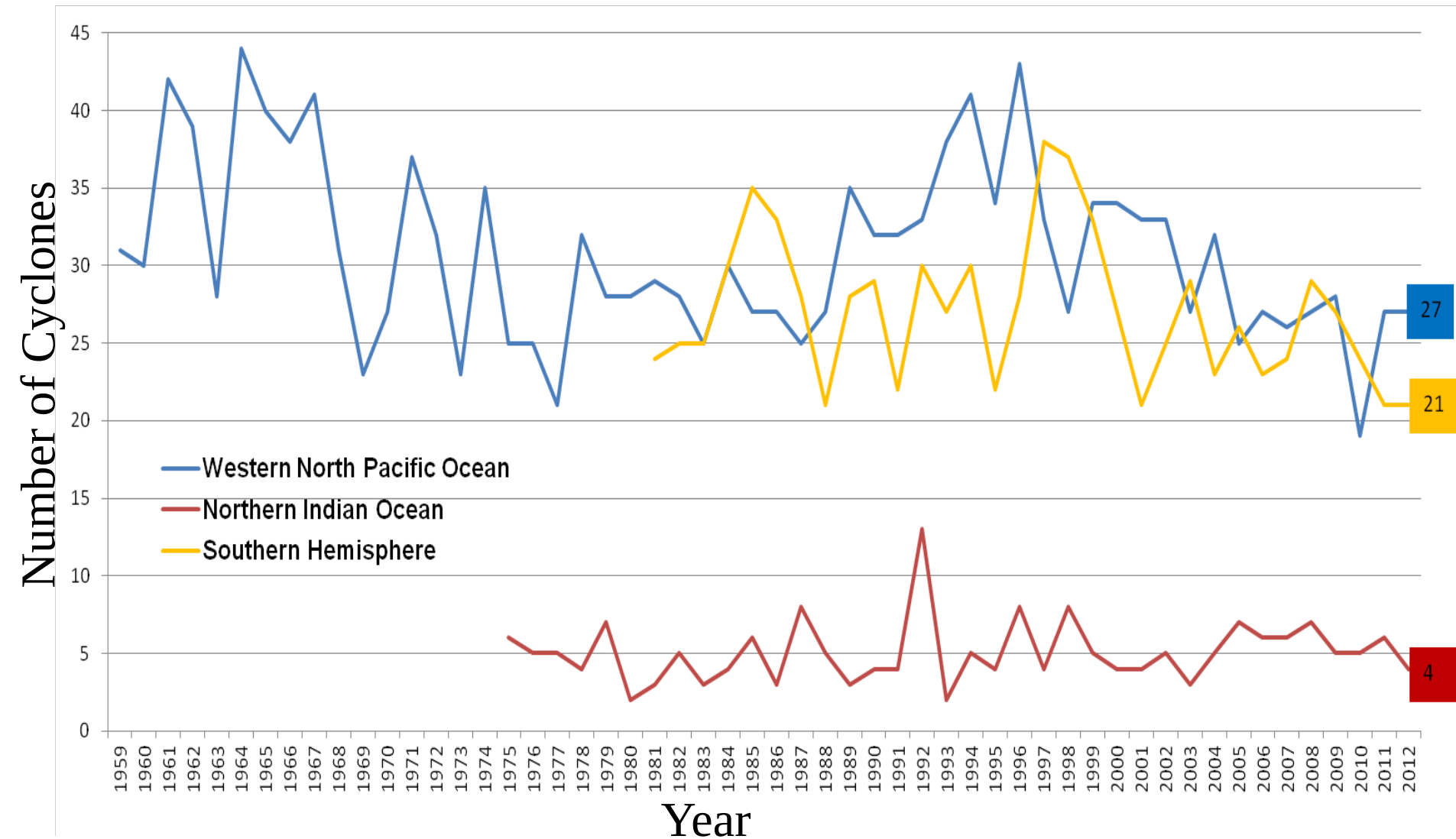


MISSION

Provide tropical cyclone reconnaissance, analysis, forecast and warning support for Department of Defense, and other US Government assets in the Pacific and Indian Oceans as established by Commander, United States Pacific Command.



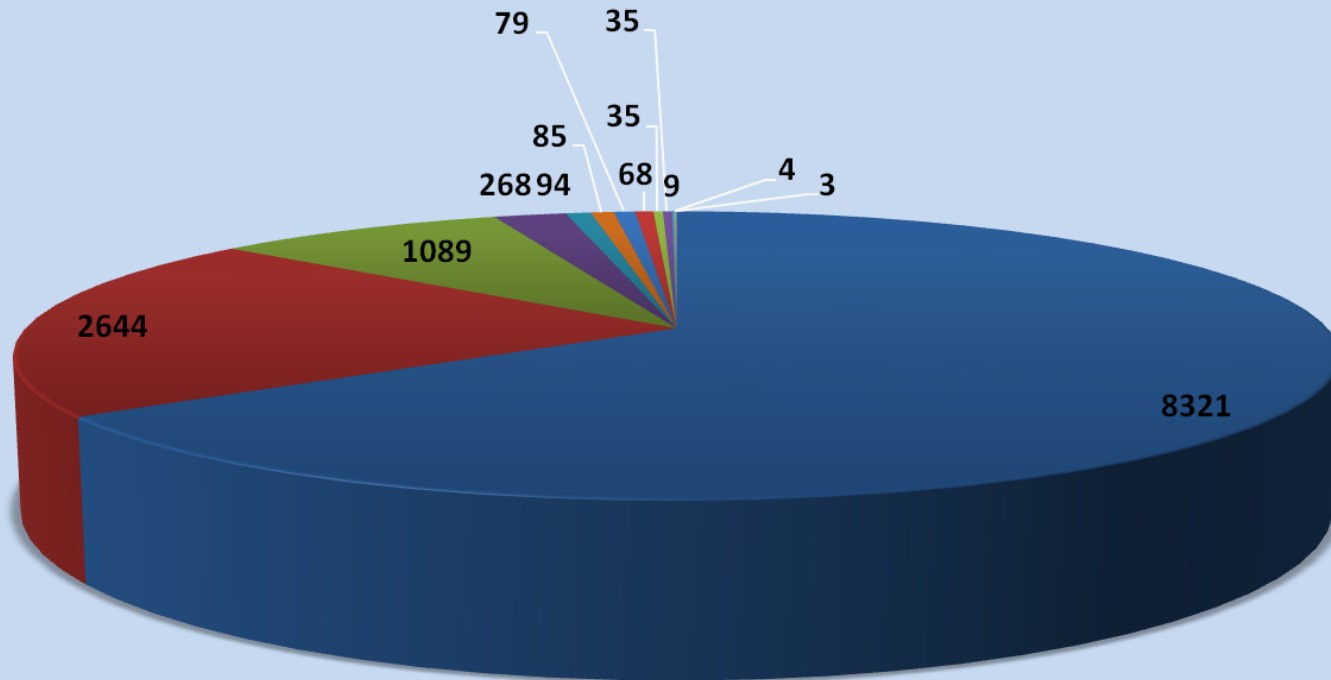
ANNUAL TC ACTIVITY (All Intensities)





2012 SATELLITE RECON

Fixes by Agency – 12,734



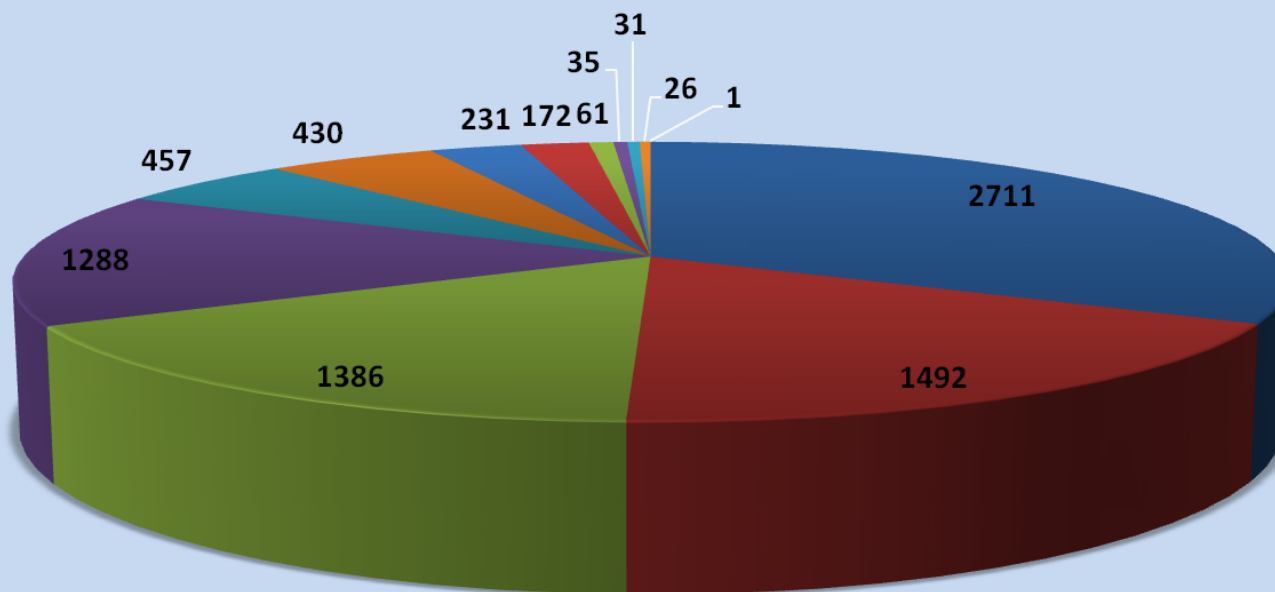
■ JTWC	■ NESDIS	■ Japan	■ La Reunion	■ Maritius
■ Fiji	■ Honolulu	■ Perth	■ Brisbain	■ India
■ Darwin	■ New Zealand	■ Taiwan		



2012 SATELLITE RECON

JTWC (PGTW) Fixes – 8,321

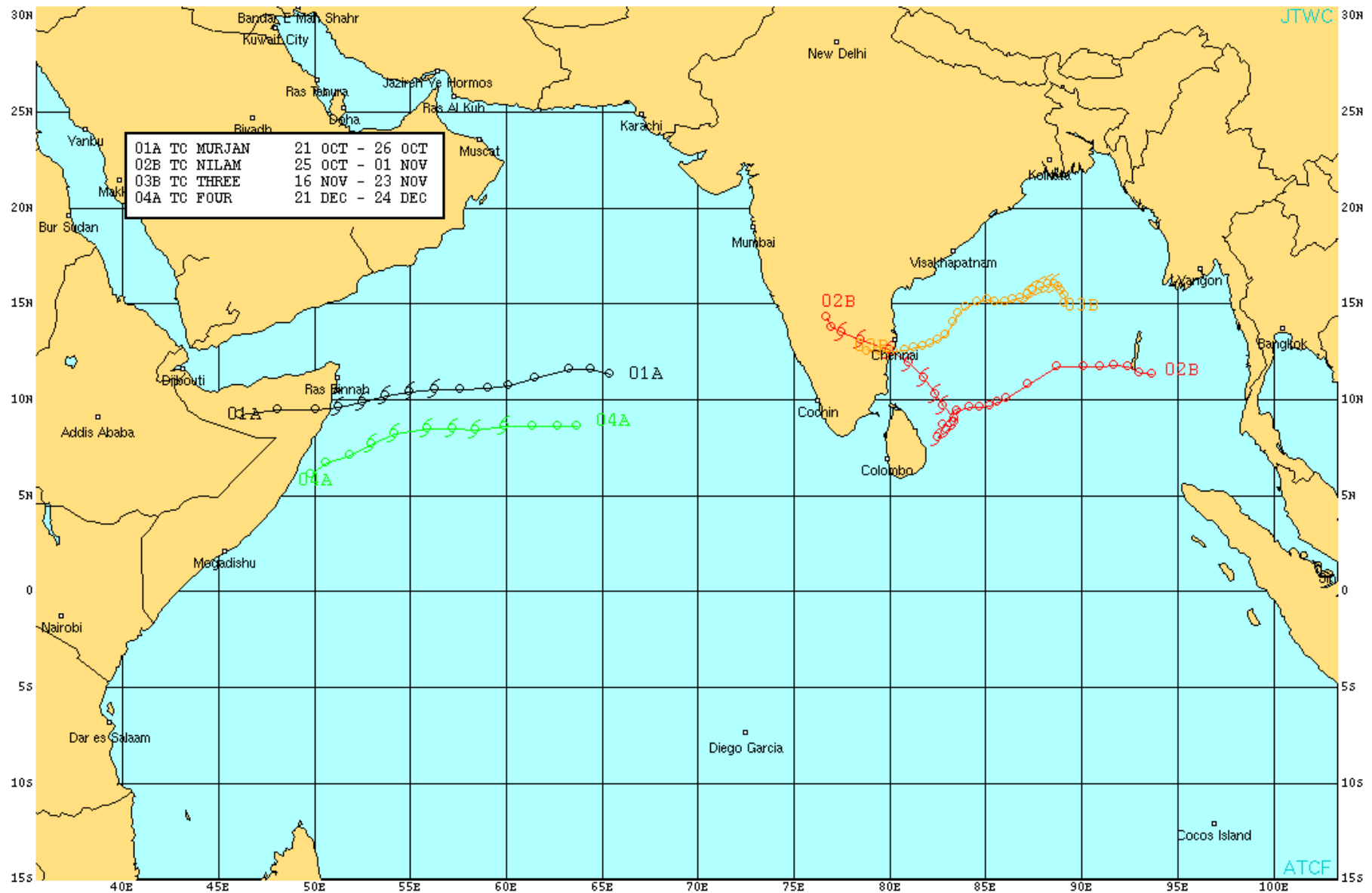
Total Microwave Fixes: 4,027 (48.4% of total)



MTSAT	MMHS	SSMS	MET7	TRMM
SSMI	WIND	ASCT	OSCT	GOES15
AMSU	WSCT	WSAT		

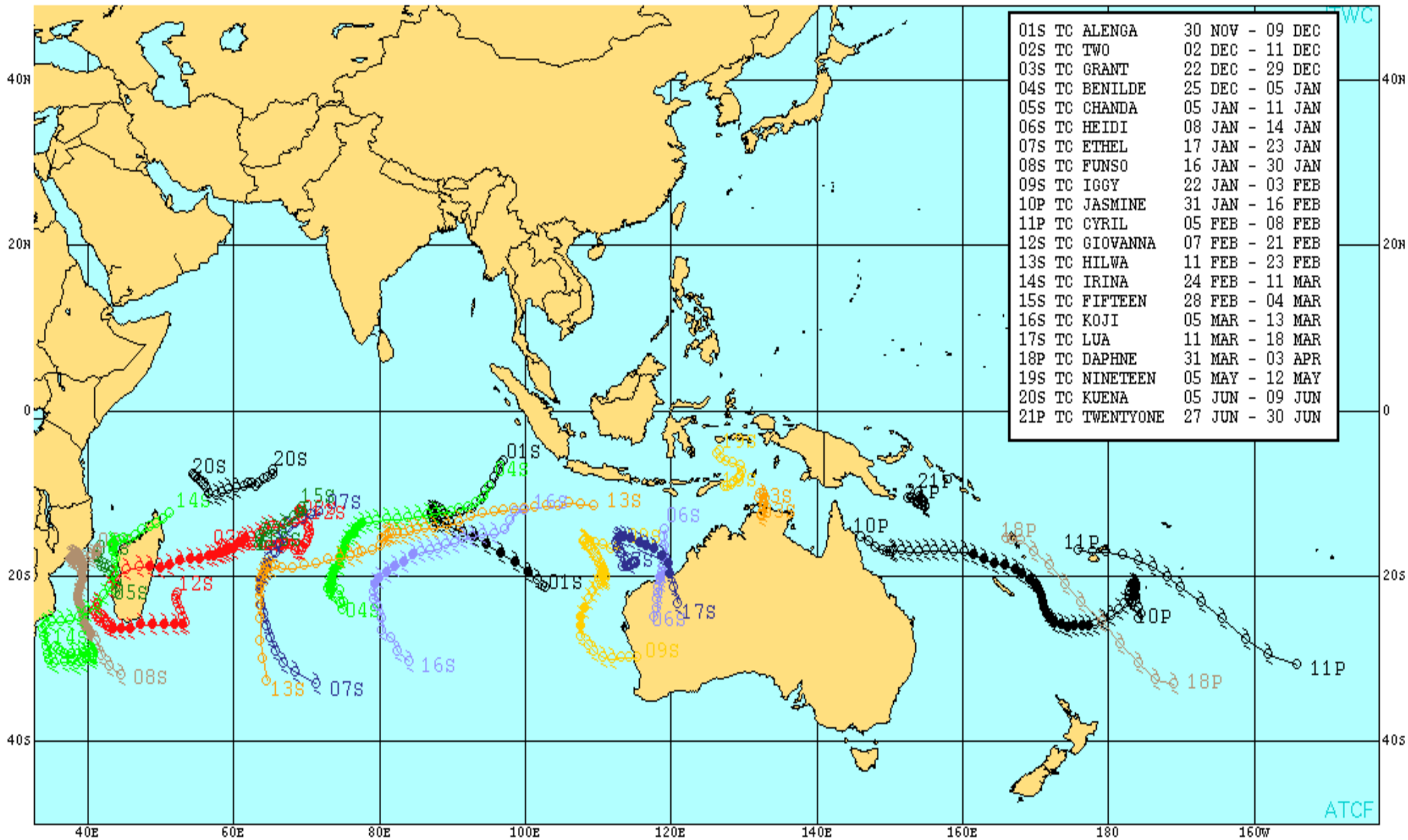


2012 NORTH INDIAN OCEAN





2012 SOUTHERN HEMISPHERE



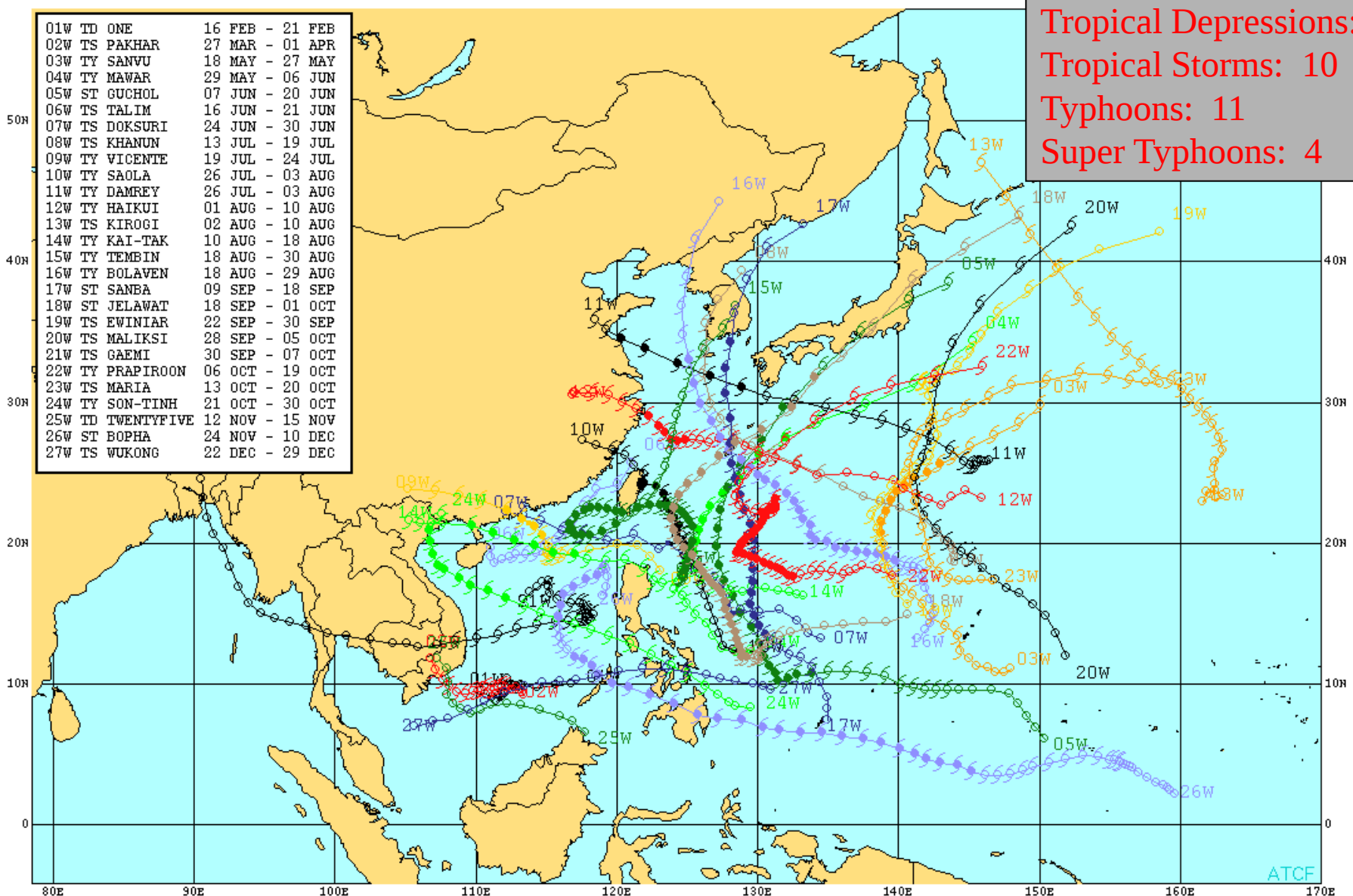


2012 WESTERN NORTH PACIFIC



01W TD ONE	16 FEB - 21 FEB
02W TS PAKHAR	27 MAR - 01 APR
03W TY SANVU	18 MAY - 27 MAY
04W TY MAWAR	29 MAY - 06 JUN
05W ST GUCHOL	07 JUN - 20 JUN
06W TS TALIM	16 JUN - 21 JUN
07W TS DOKSURI	24 JUN - 30 JUN
08W TS KHANUN	13 JUL - 19 JUL
09W TY VICENTE	19 JUL - 24 JUL
10W TY SAOLA	26 JUL - 03 AUG
11W TY DAMREY	26 JUL - 03 AUG
12W TY HAIKUI	01 AUG - 10 AUG
13W TS KIROGI	02 AUG - 10 AUG
14W TY KAI-TAK	10 AUG - 18 AUG
15W TY TEMBIN	18 AUG - 30 AUG
16W TY BOLAVEN	18 AUG - 29 AUG
17W ST SANBA	09 SEP - 18 SEP
18W ST JELAWAT	18 SEP - 01 OCT
19W TS EWINIAR	22 SEP - 30 SEP
20W TS MALIKSI	28 SEP - 05 OCT
21W TS GAEMI	30 SEP - 07 OCT
22W TY PRAPIROON	06 OCT - 19 OCT
23W TS MARIA	13 OCT - 20 OCT
24W TY SON-TINH	21 OCT - 30 OCT
25W TD TWENTYFIVE	12 NOV - 15 NOV
26W ST BOPHA	24 NOV - 10 DEC
27W TS WUKONG	22 DEC - 29 DEC

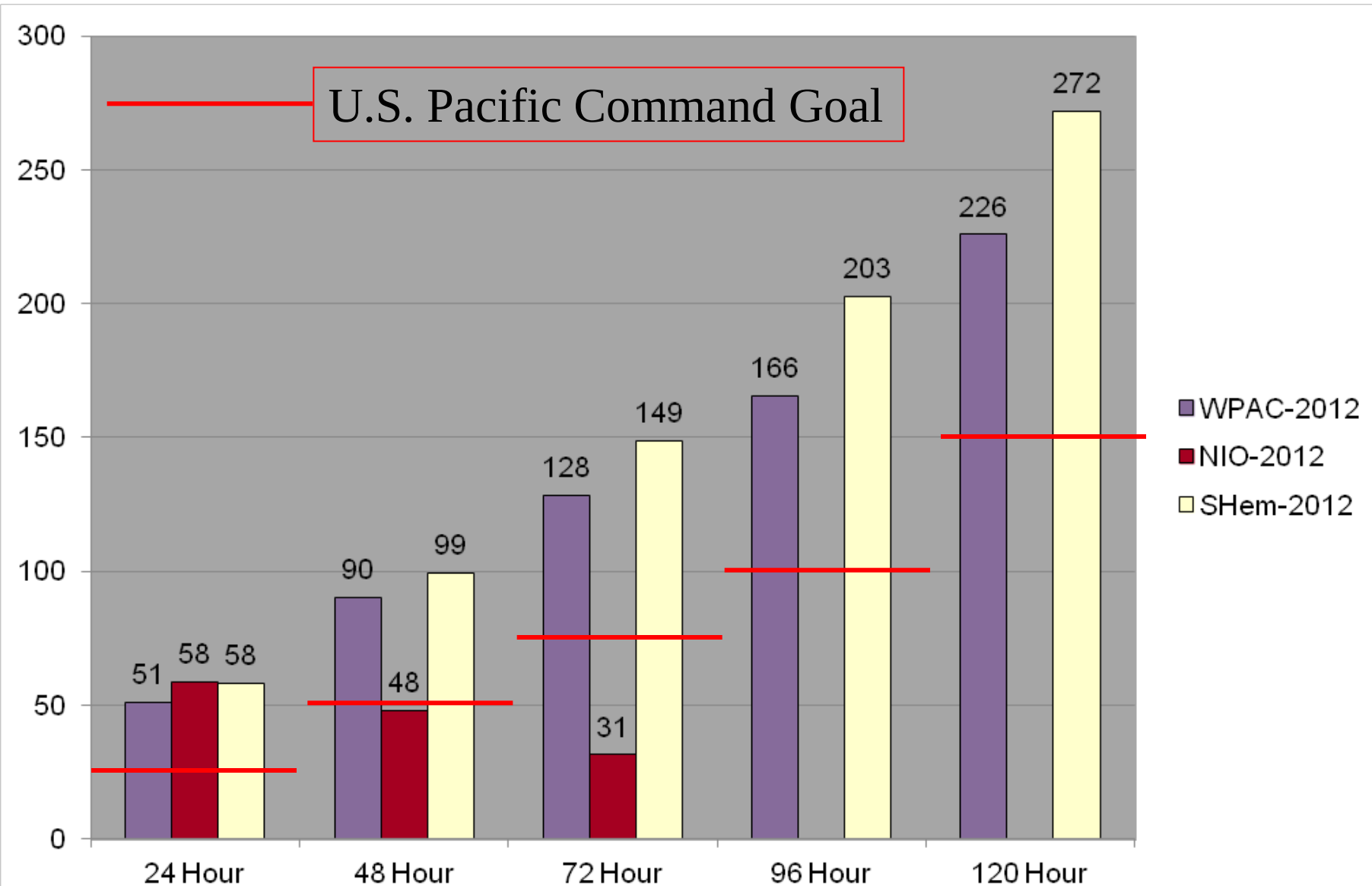
Tropical Depressions: 2
Tropical Storms: 10
Typhoons: 11
Super Typhoons: 4





2012 JTWC TRACK ERRORS

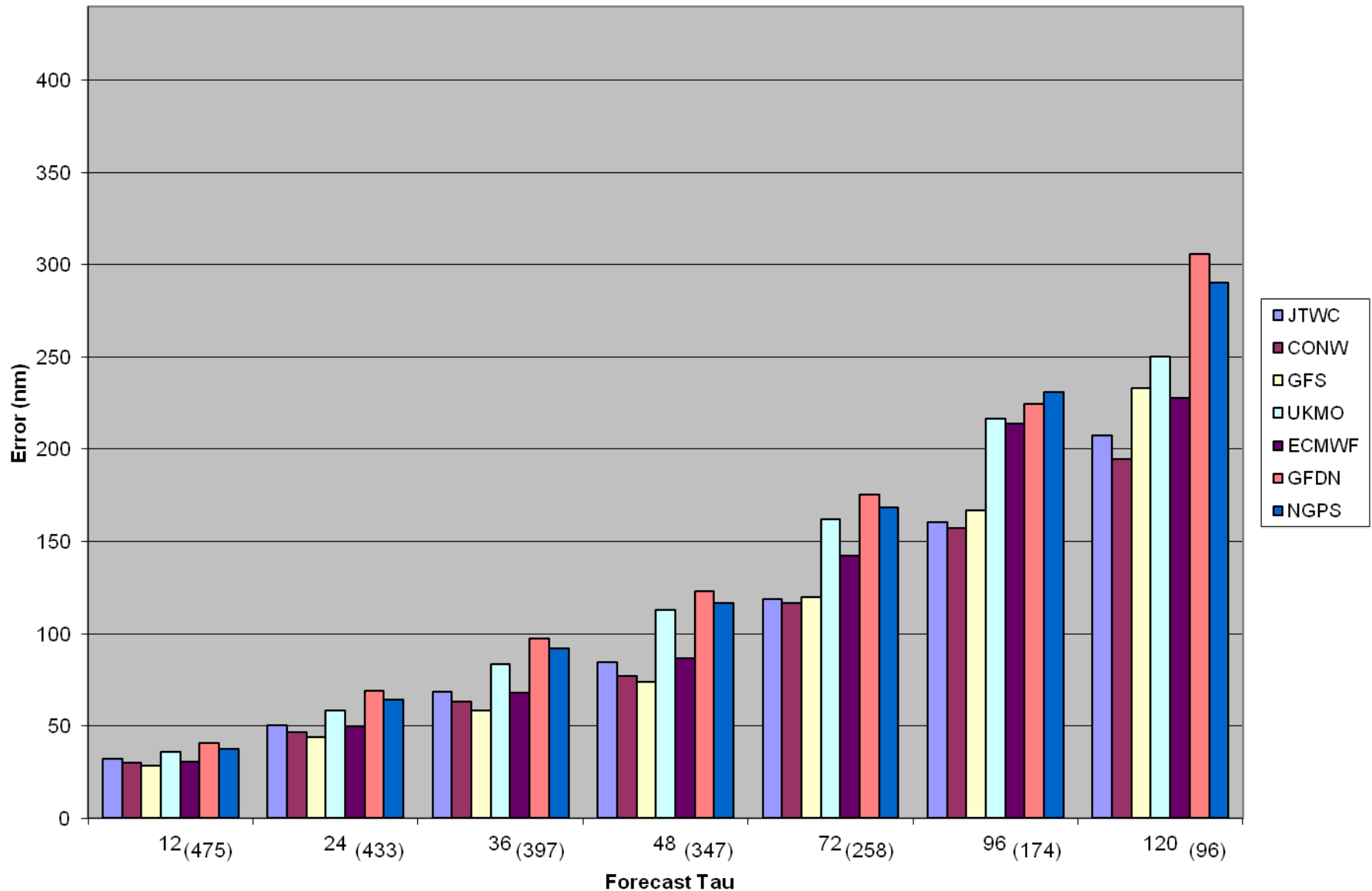
All Basins (WPAC-Prelim)





2012 MODEL TRACK ERRORS

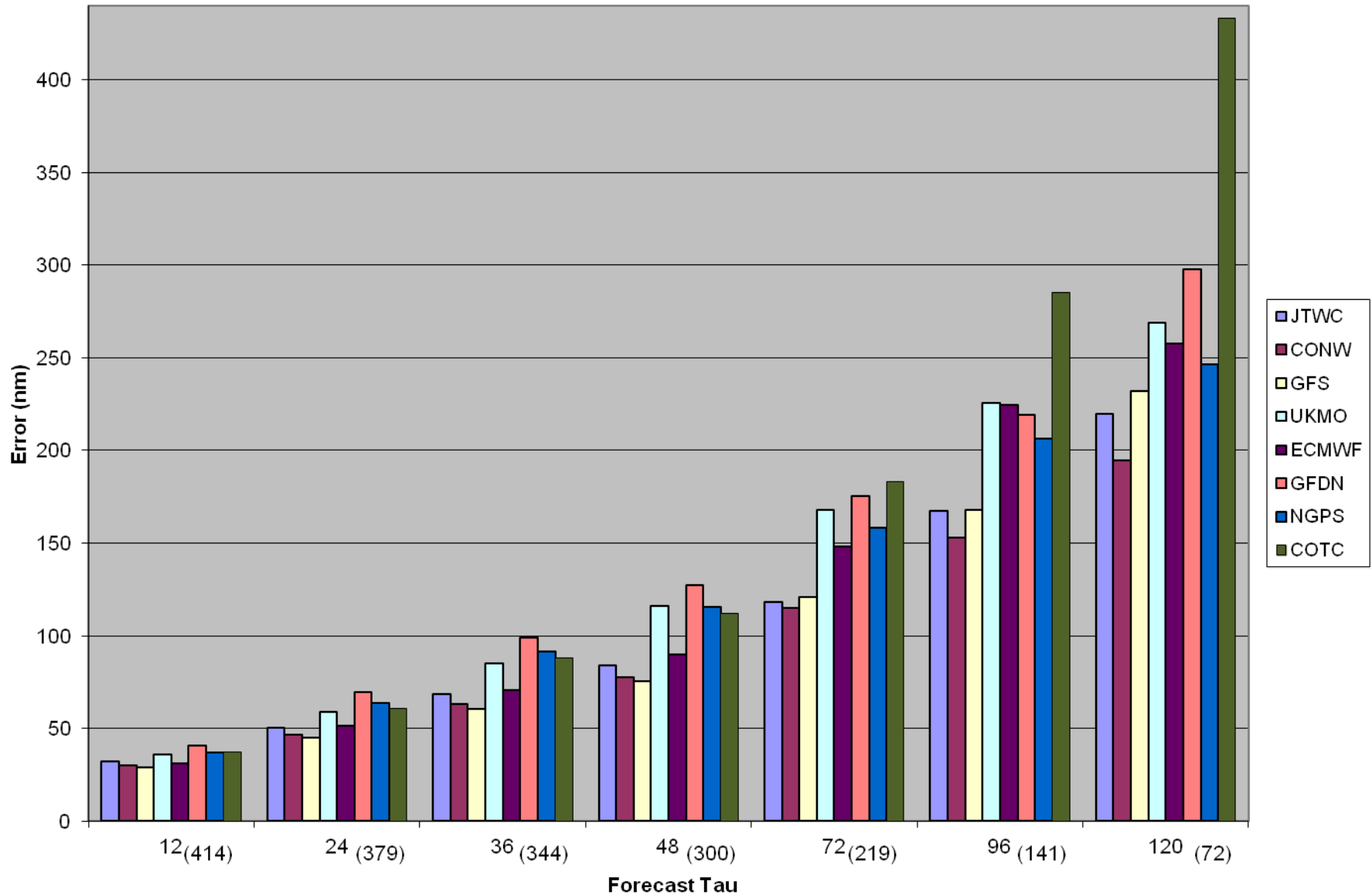
(Western North Pacific (Prelim)– Homogeneous)





2012 MODEL TRACK ERRORS

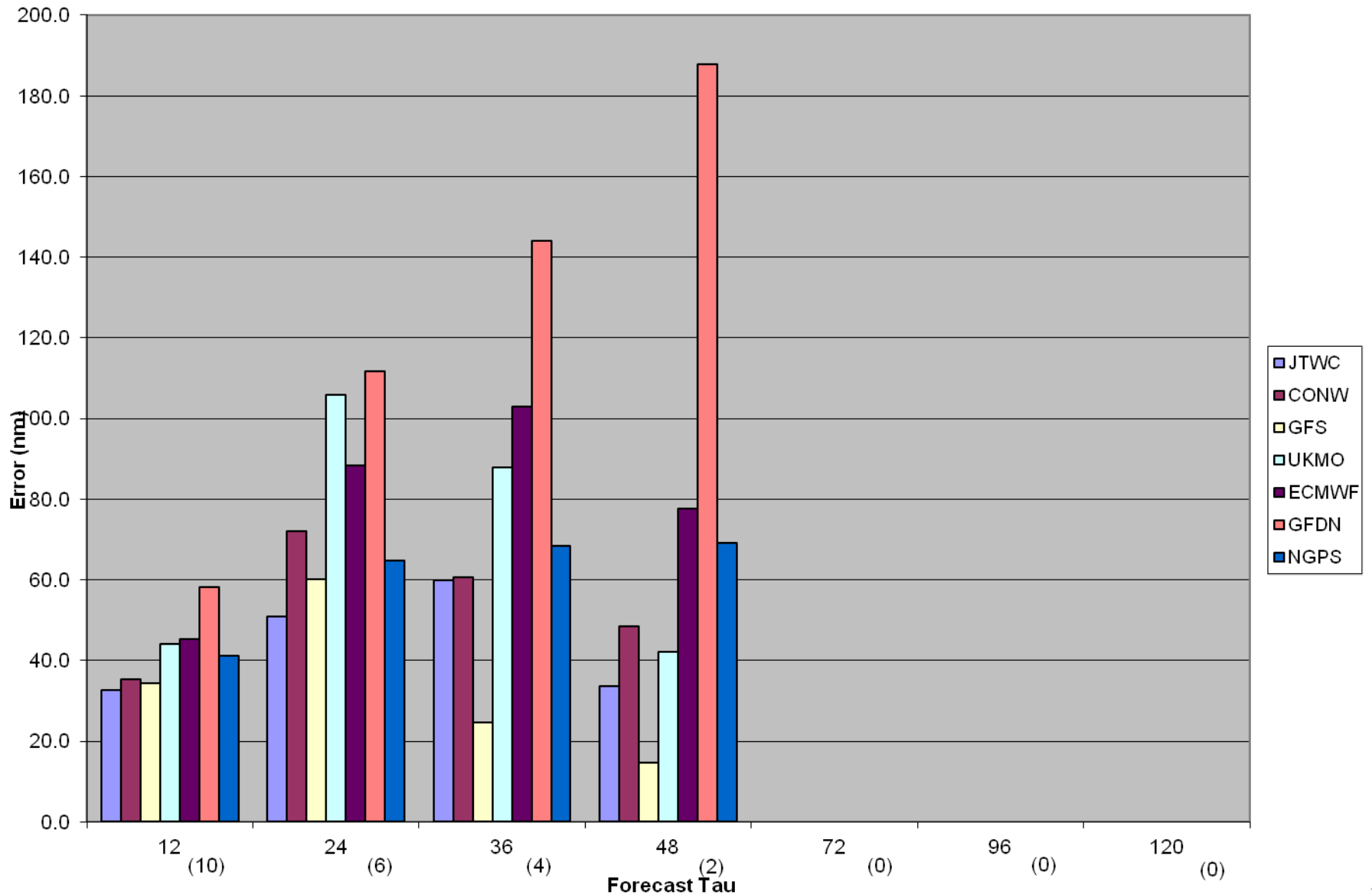
(Western North Pacific (Prelim)– Homogeneous w/COAMPS-TC)





2012 MODEL TRACK ERRORS

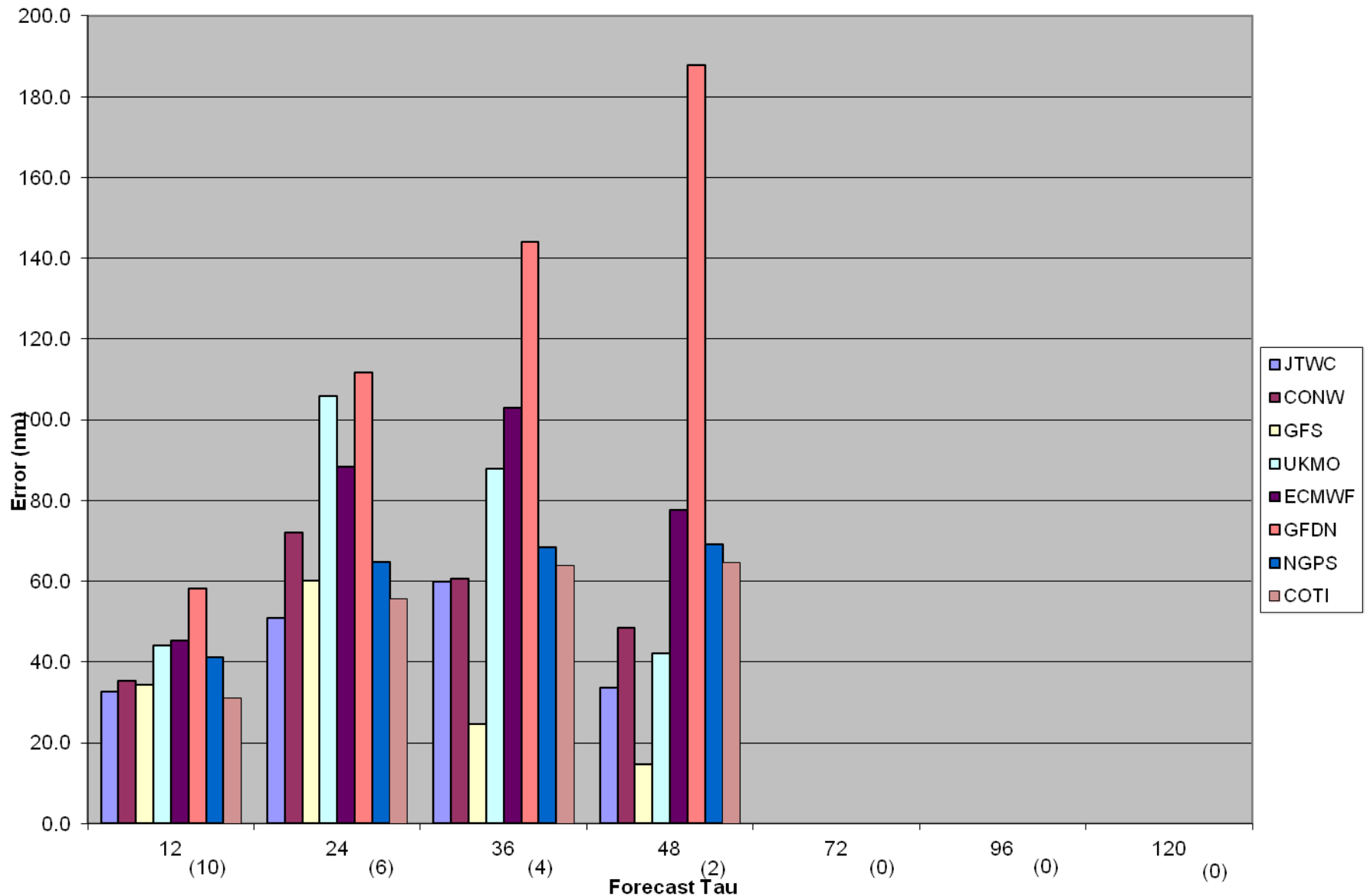
(Northern Indian Ocean – Homogeneous)





2012 MODEL TRACK ERRORS

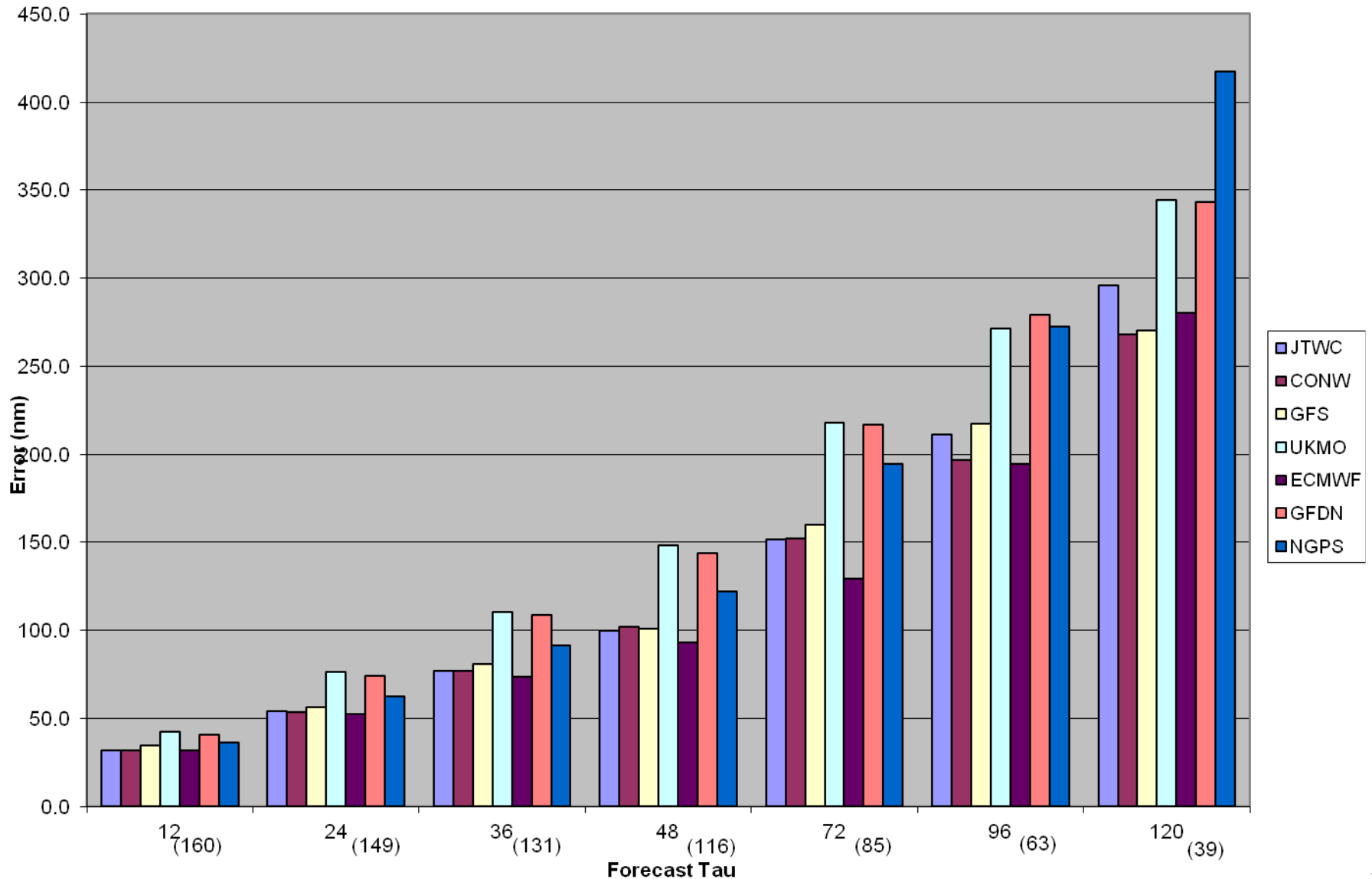
(Northern Indian Ocean – Homogeneous w/COAMPS-TC)





2012 MODEL TRACK ERRORS

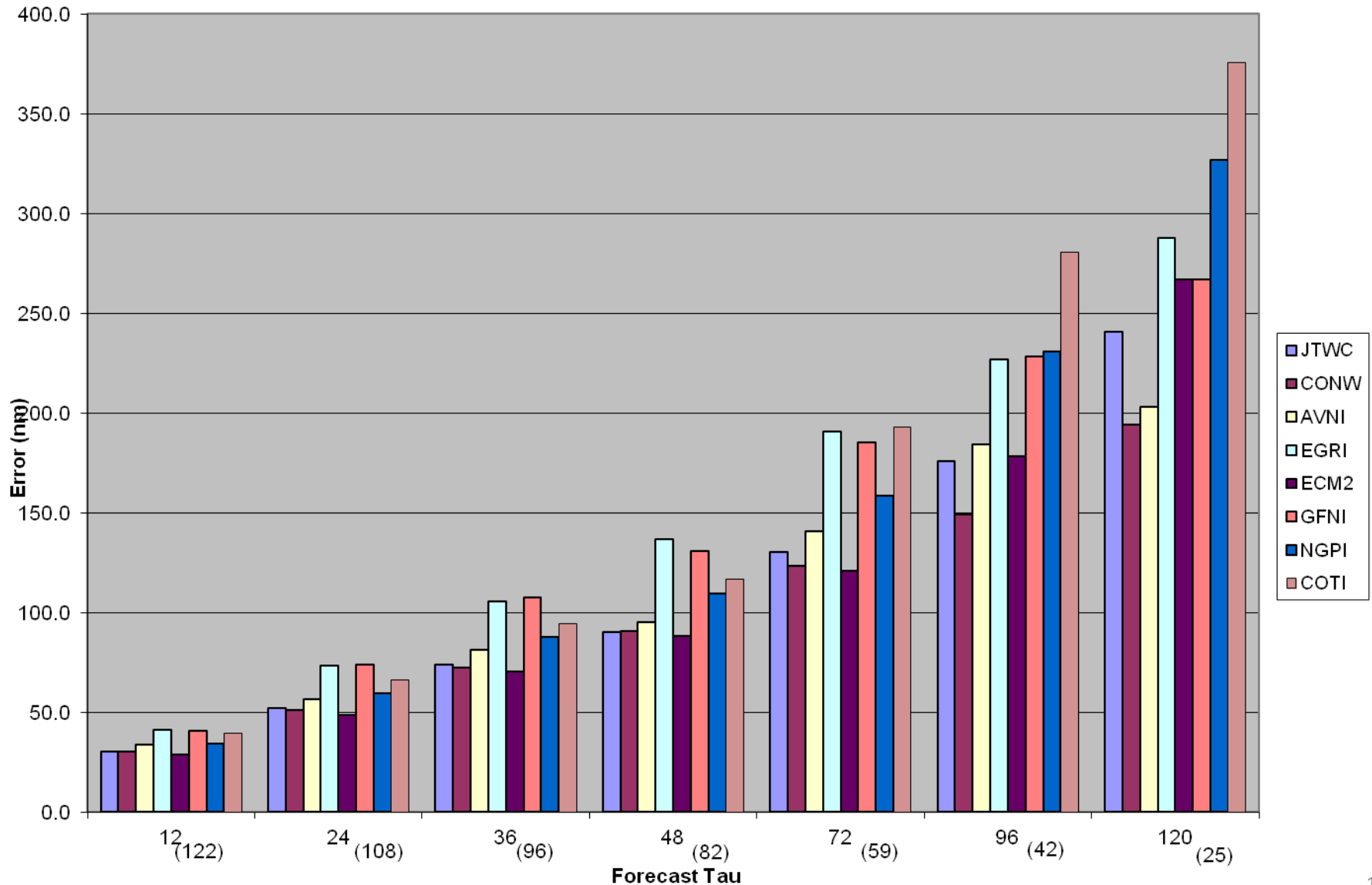
(Southern Hemisphere – Homogeneous)





2012 MODEL TRACK ERRORS

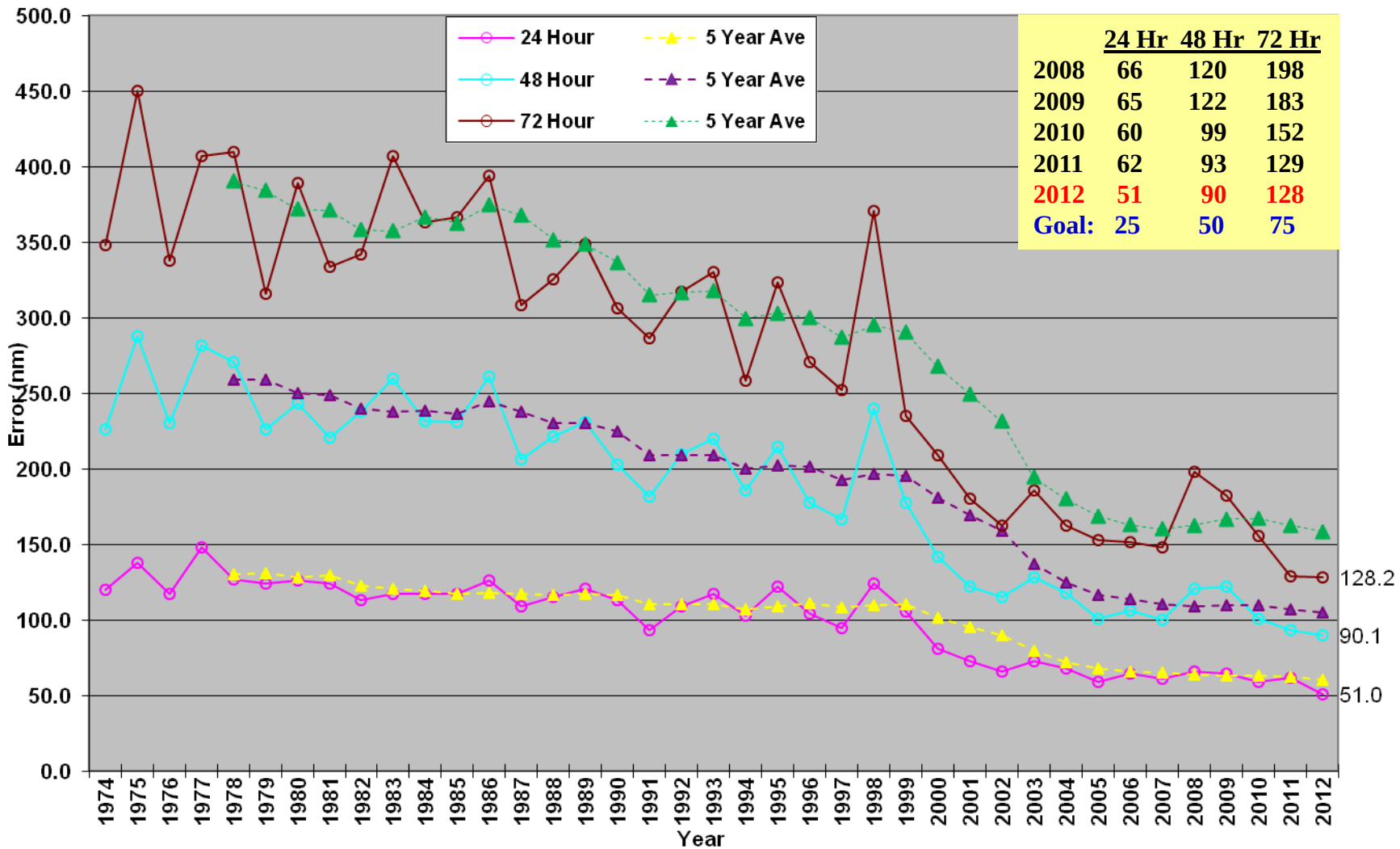
(Southern Hemisphere – Homogeneous w/COAMPS-TC)





JTWC TRACK ERRORS

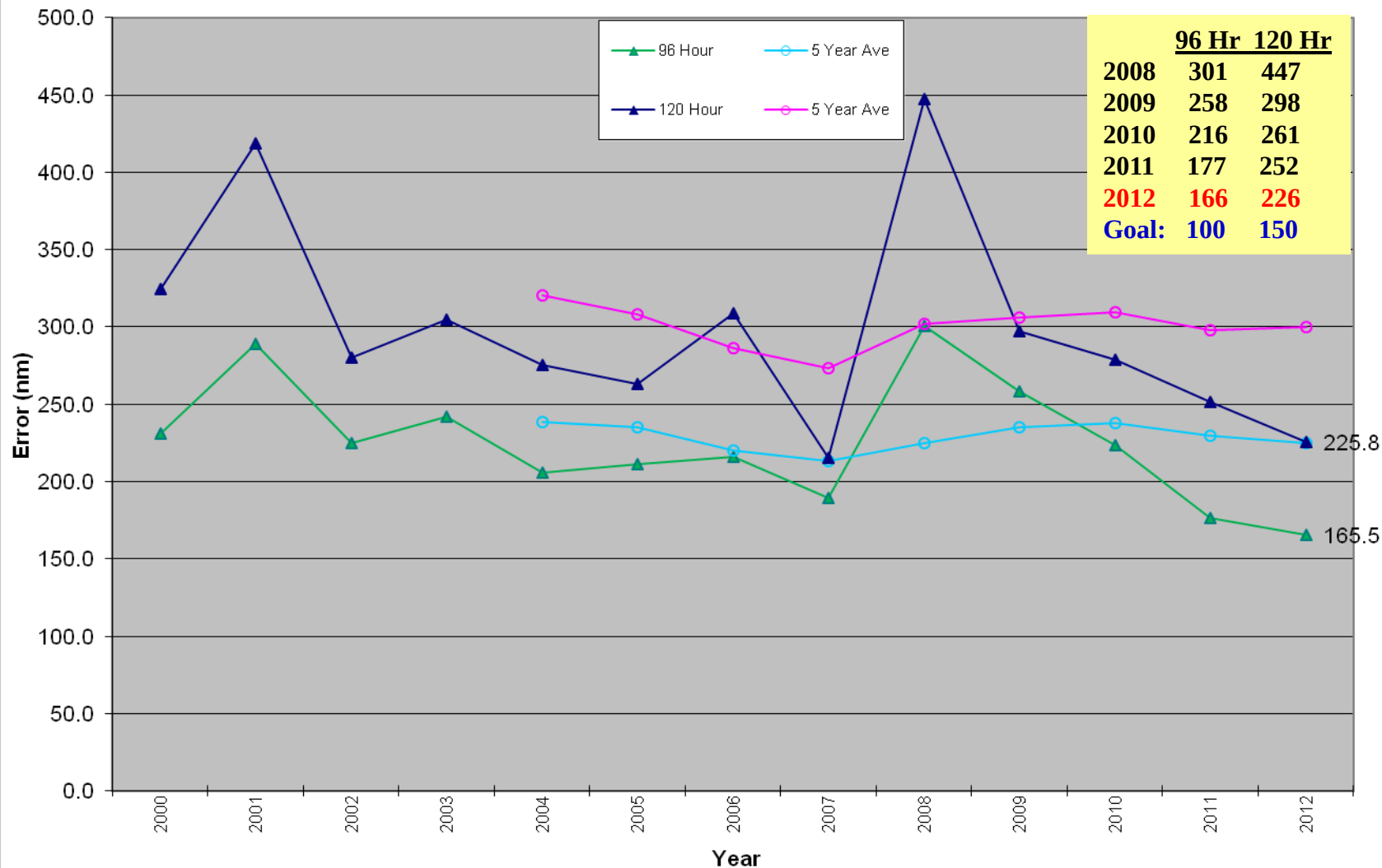
(Western North Pacific (Prelim) - 24-72 Hours)





JTWC TRACK ERRORS

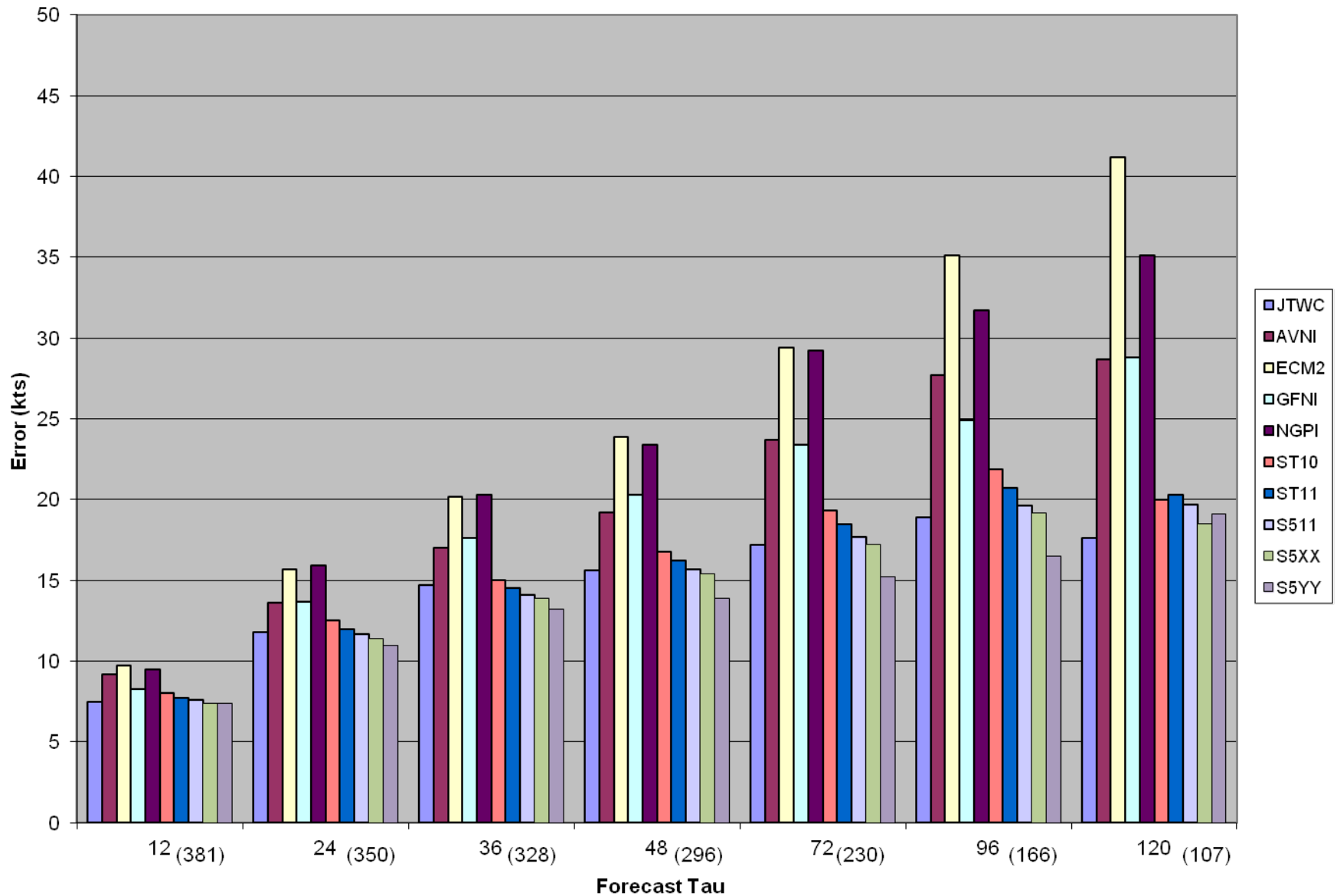
(WESTERN NORTH PACIFIC (Prelim) – 96-120 Hours)





2012 MODEL INTENSITY ERRORS

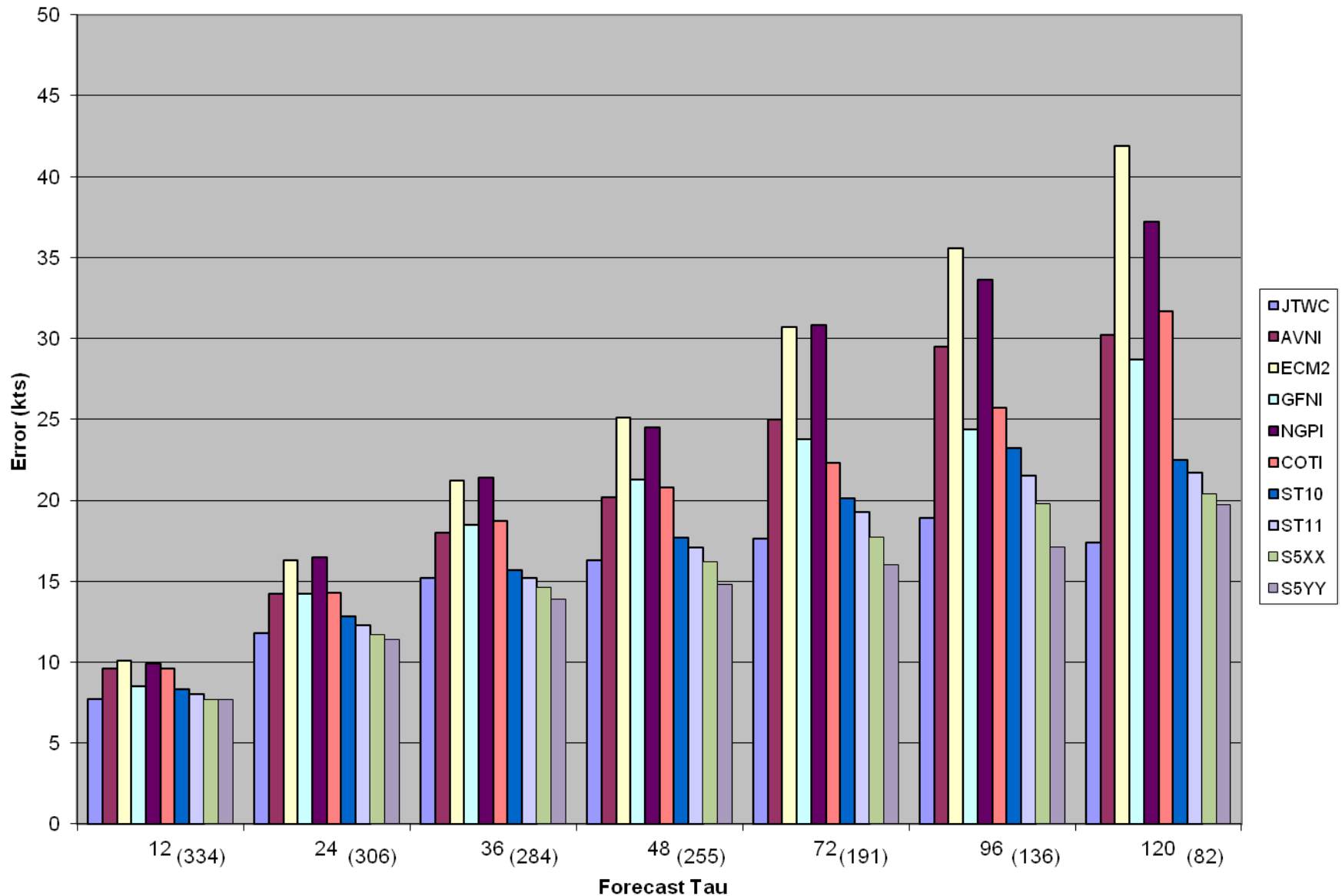
(Western North Pacific (Prelim)– Homogeneous)





2012 MODEL INTENSITY ERRORS

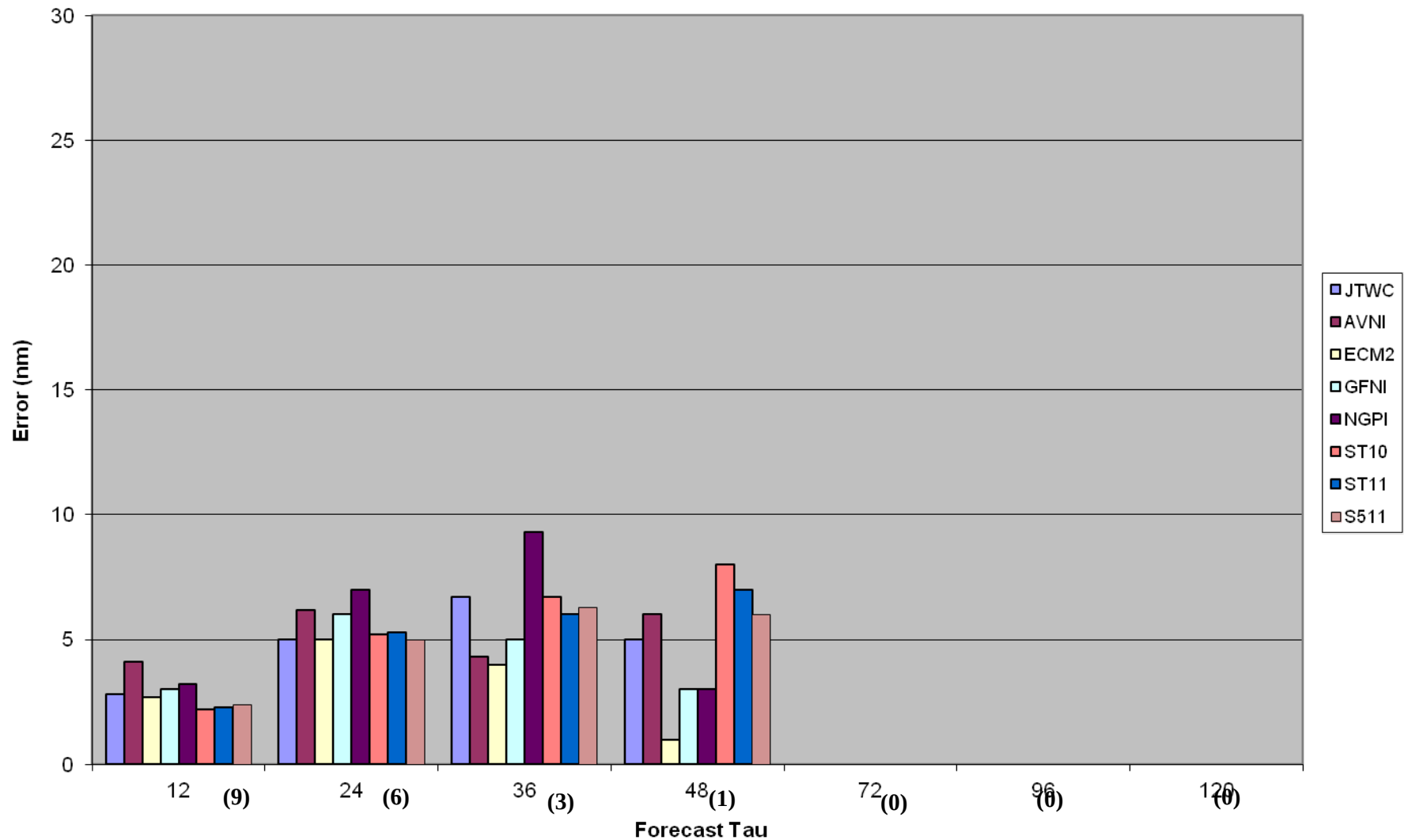
(Western North Pacific (Prelim)– Homogeneous w/COAMPS-TC)





2012 MODEL INTENSITY ERRORS

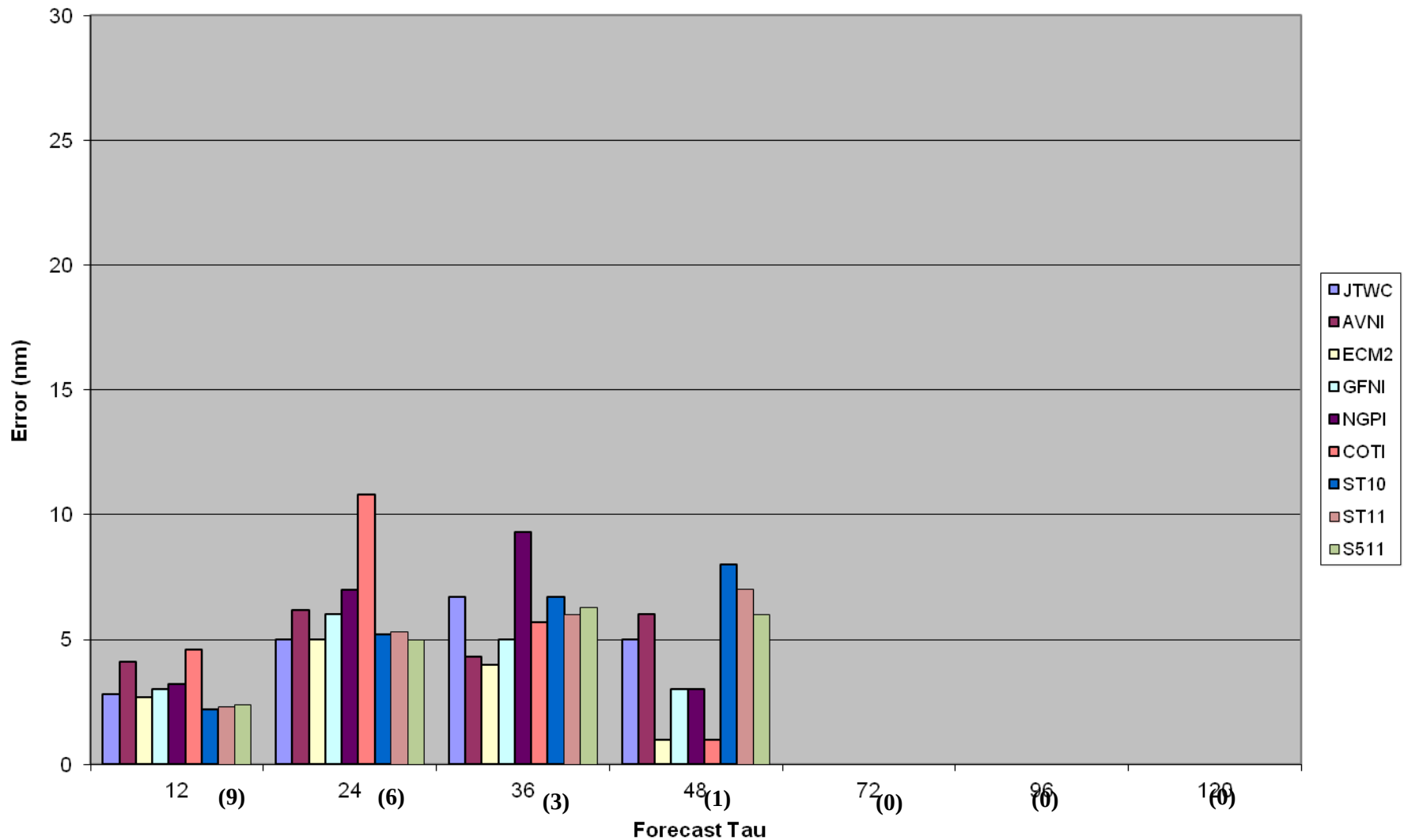
(Northern Indian Ocean – Homogeneous)





2012 MODEL INTENSITY ERRORS

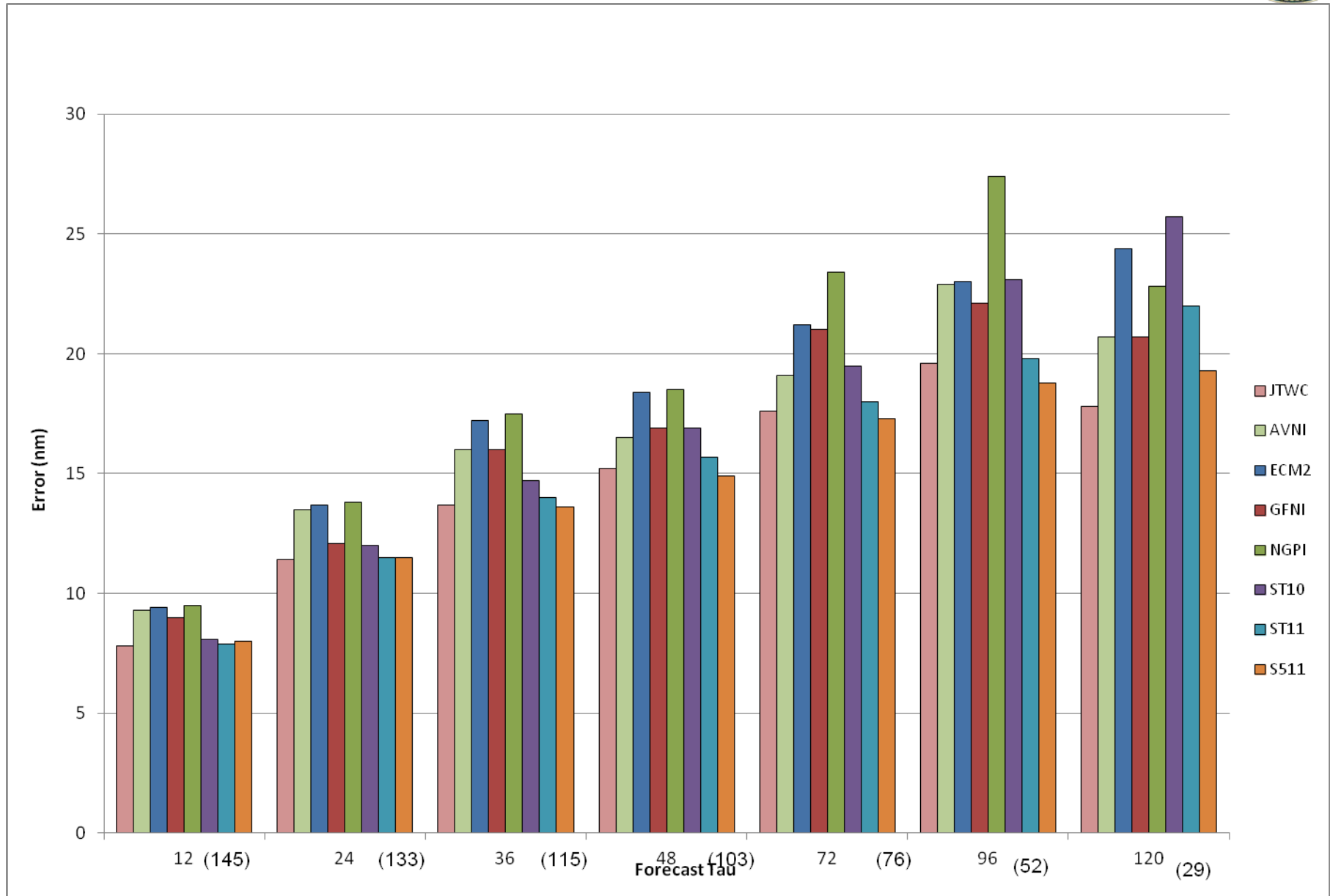
(Northern Indian Ocean – Homogeneous w/COAMPS-TC)





2012 MODEL INTENSITY ERRORS

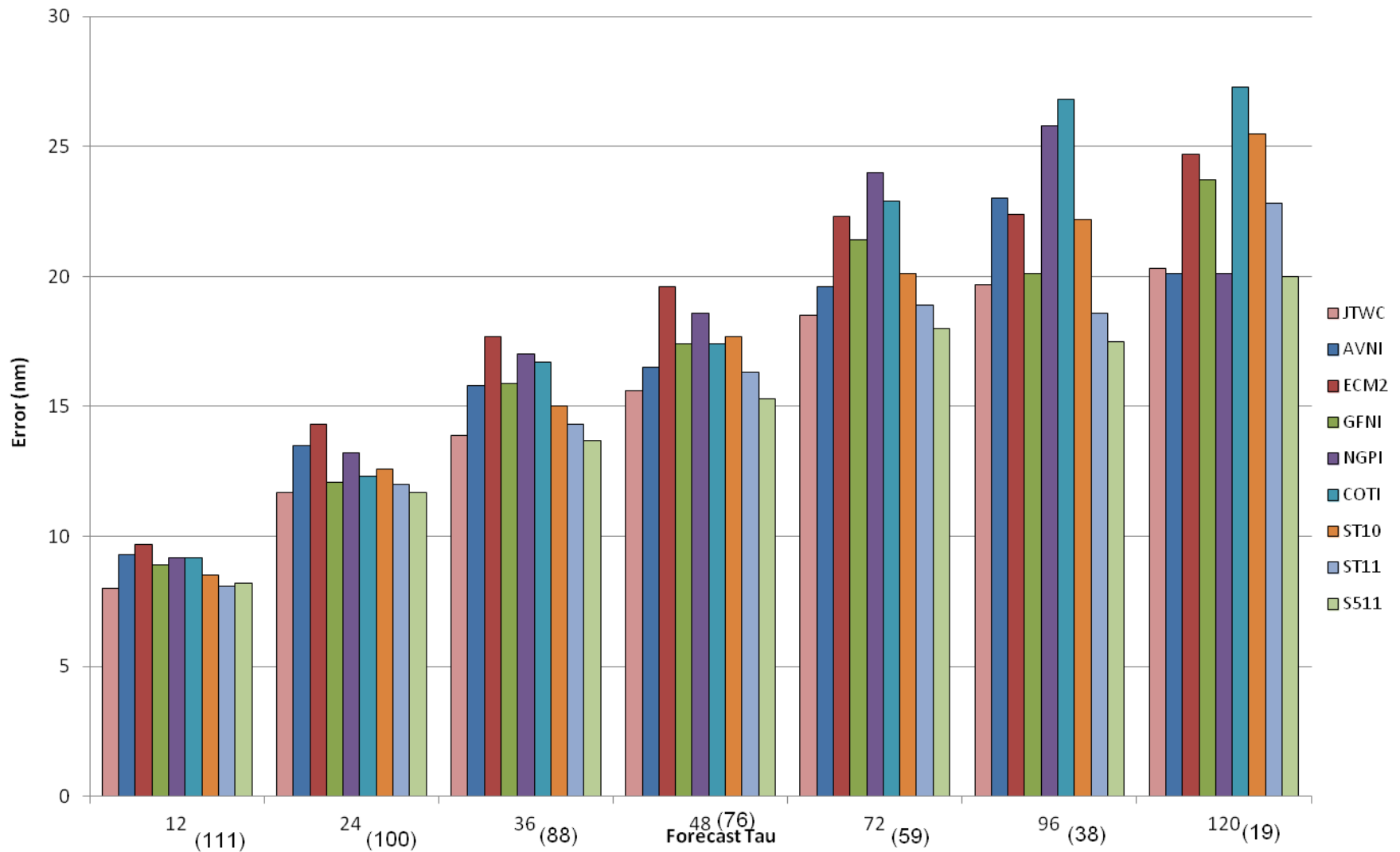
(Southern Hemisphere – Homogeneous)





2012 MODEL INTENSITY ERRORS

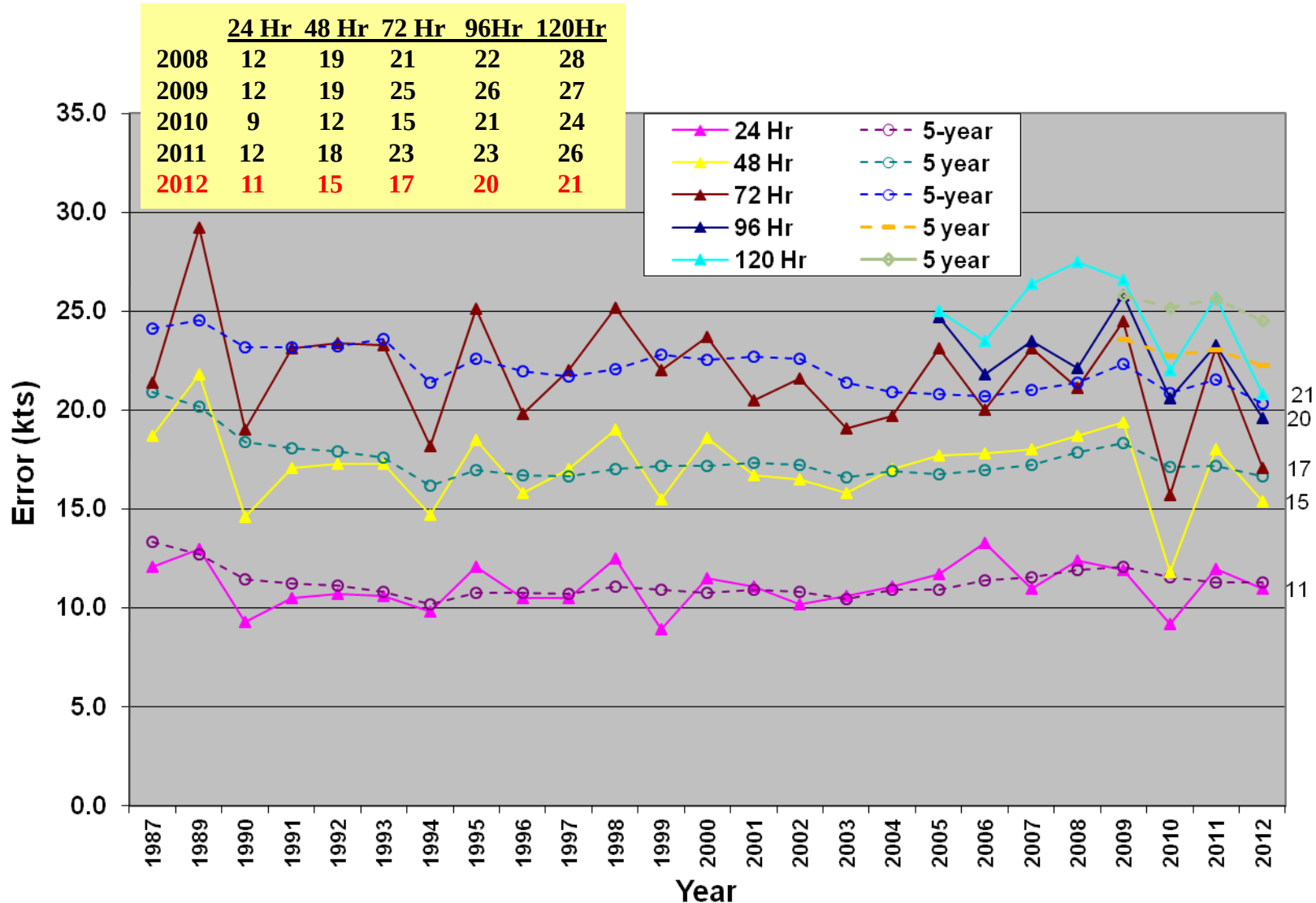
(Southern Hemisphere – Homogeneous w/COAMPS-TC)





JTWC INTENSITY ERRORS

(Western North Pacific (Prelim) 24 - 120 Hours)





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