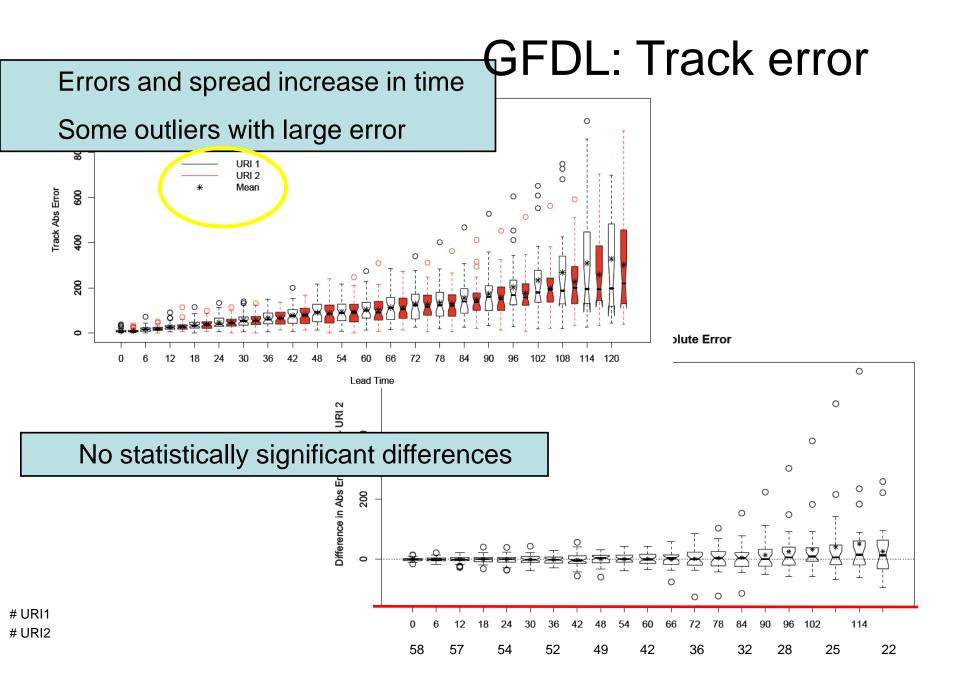


Developmental Testbed Center

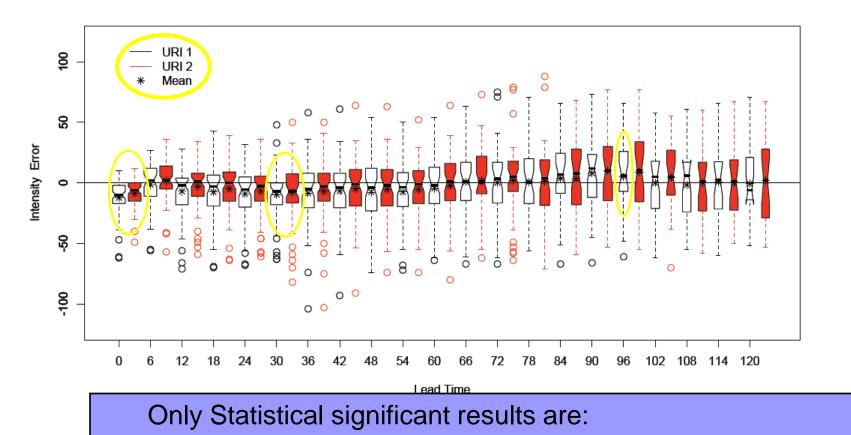
May 7, 2009

Overview of GFDL Cases

- Res: URI1 = 1/12 deg and URI2 = 1/18 deg
- Total of 58 cases from 8 storms
- Track length 20% shorter than Best Track for 10% of these cases

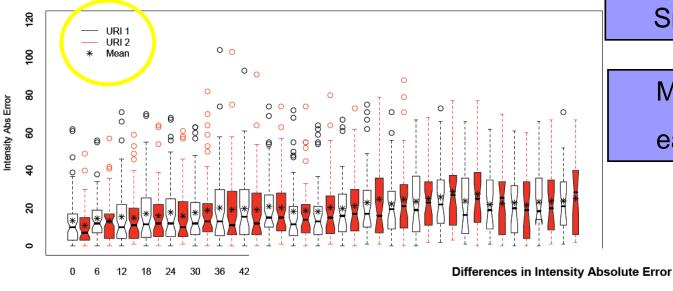


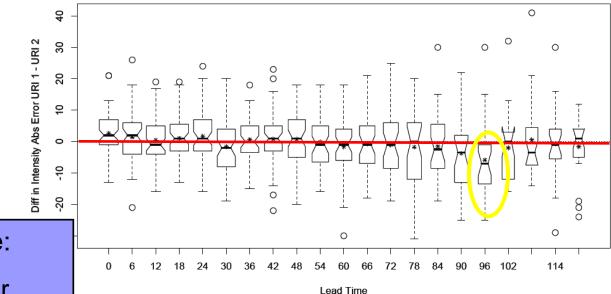
GFDL: Intensity error



Intensity too low at lead times 0, 30; Too high at lead time 96 h

GFDL: Intensity absolute error





Small growth in time.

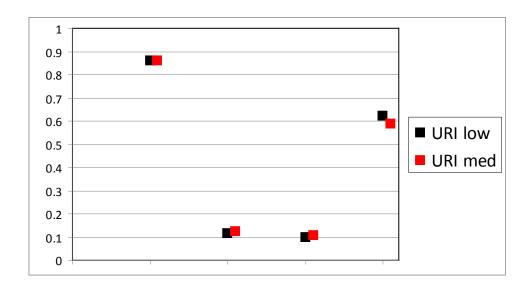
More outliers at

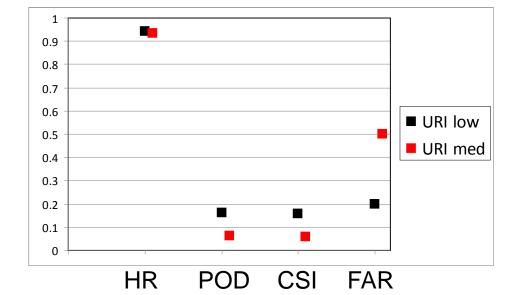
earlier lead times.

Only 1 SS difference: 96 h lower res better

RI Verification for GFDL Model

		Observed	
		Yes	No
Low res	Yes	11	18
	No	85	613
Med res	Yes	12	17
	No	84	614





		Observed	
		Yes	No
Low res	Yes	8	2
	No	41	676
Med res	Yes	3	3
	No	46	675

Conclusions

- Track does not improve with increased resolution
- Intensity bias close too zero (except low at 0 and 30 h and high at 90 h)
- Increase in resolution does not improve intensity
- RI forecast is similar for low and medium resolution
- RW forecast is degraded with increased resolution