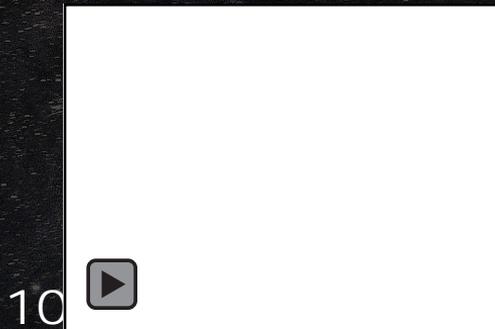
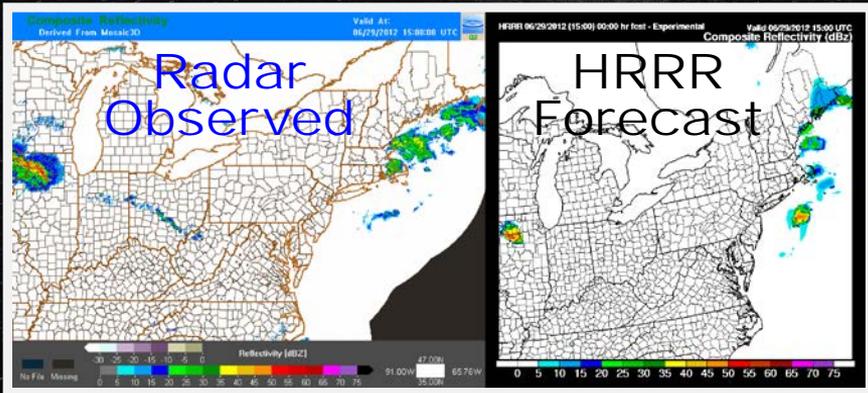


GSD Roadmap: unified global/ regional data assimilation /prediction



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GSD Science Review
3-5 Nov 2015

Roadmap for GSD role in NOAA

Model	Applications	Period	Future Direction
ARW-WRF	HRRR	2016-2020+	Continued development – physics, numerics, ensemble assim/HRRRE. Start transition of development toward unified NGGPS (MPAS or FV3) regional component by 2018-19?
ARW-WRF	RAP		NARRE/SREF – subsumed by GEFS?
NMM*	HWRF, NAM(nest) (via DTC)		GSD: merge w/ ARW toward HREF. Later, toward future NGGPS regional component?
FIM	Multi-model GEFS? Subseasonal NMME Earth system tool	Improve NOAA skill until NGGPS readiness	Transition to NGGPS with ESRL physics/earth system for all 3 applications.
NIM	Proving ground for emerging architectures		Transfer expertise to NGGPS (MPAS or FV3).