

The 2007 release of WAVEWATCH III

Toward and open source wave model



Hendrik.Tolman@NOAA.gov

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The mosaic approach

- Identify grids by rank:
 - Lower rank is lower resolution.
 - Identical rank is similar resolution
- Eight sequential actions can be identified for the completion of a time step for each grid.
 - These steps fully define the logical management algorithm for all grids.

1	Update external input.
2	Update input form lower ranked grids.
3	Update overall model time step (multiple grids).
4	Run wave model (except for output)
5	Reconcile grids within rank, stage data.
6	Reconcile with higher ranked grids, stage data.
7	Data assimilation
8	Generate output.





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NCEP new operational setup (see Chawla et al), results for Jan 16, 2007 after 16 days of model spin up. Number of fields found.

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and secondary swells.

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