Summer 2013 Outlook
Winter 13-14 Preview

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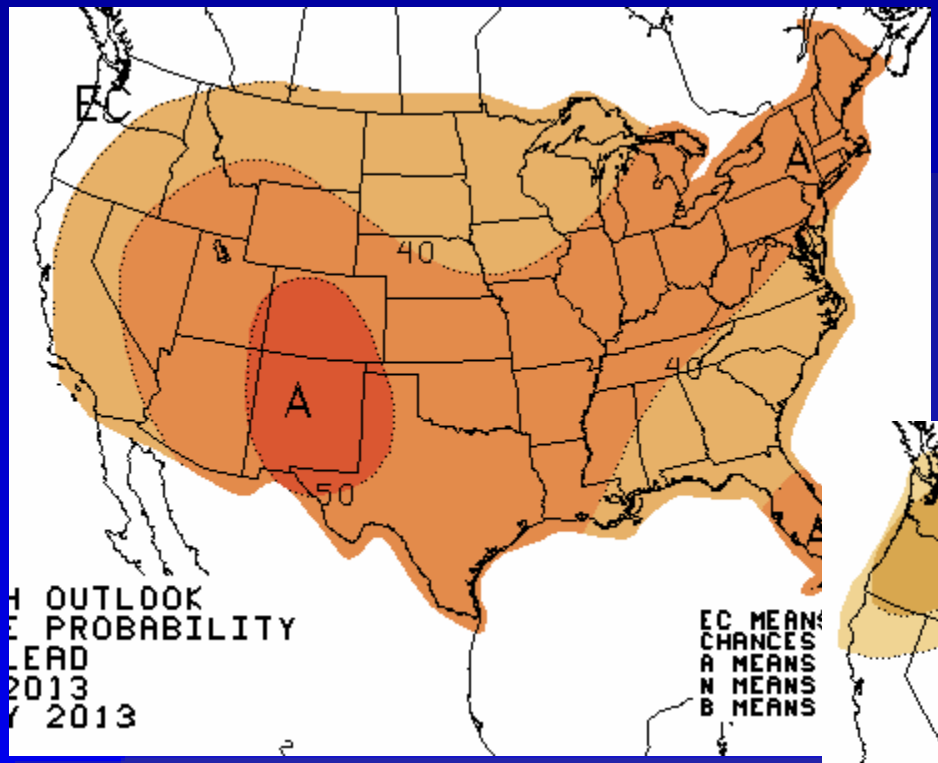
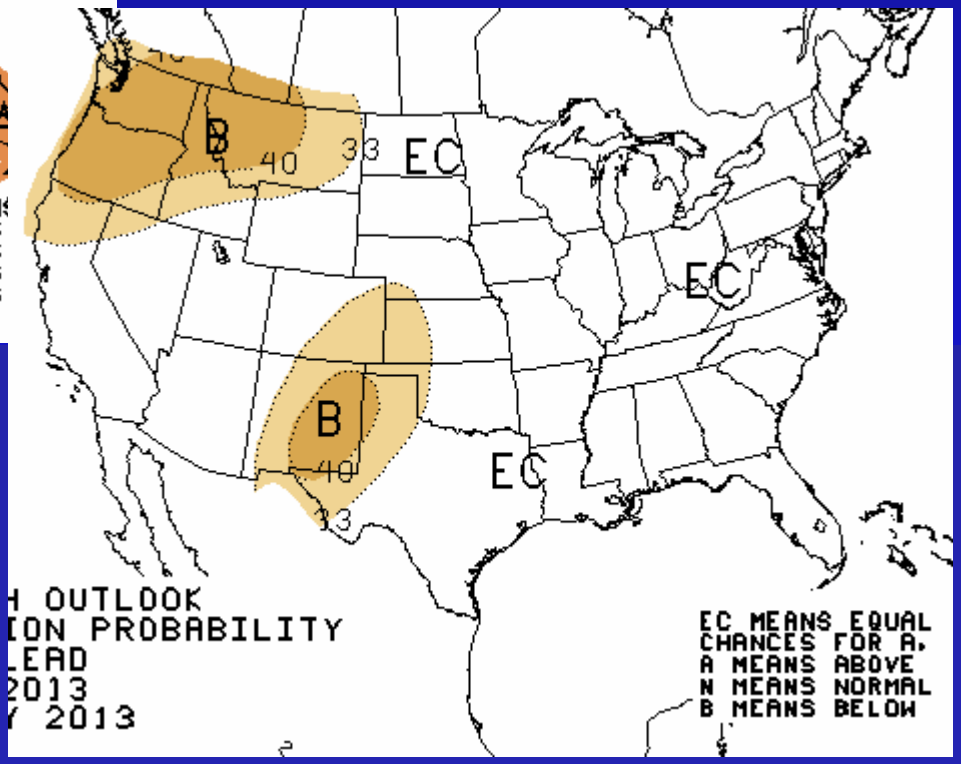
Outlook: Jul/Aug/Sep



Three-month averages

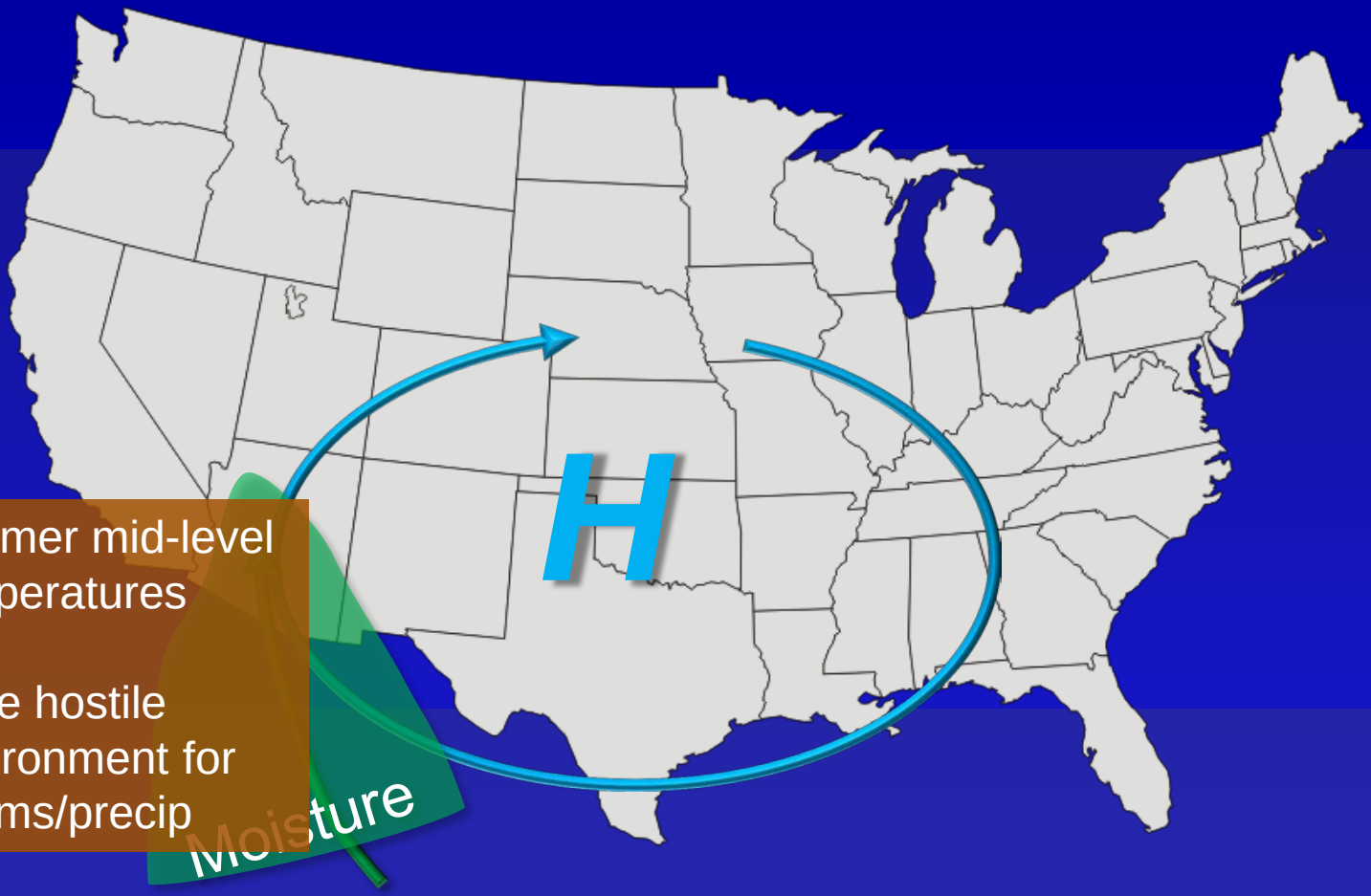
Shading indicates chances of above/below normal



Temp outlook consistent with previous summers

No substantial odds for precipitation

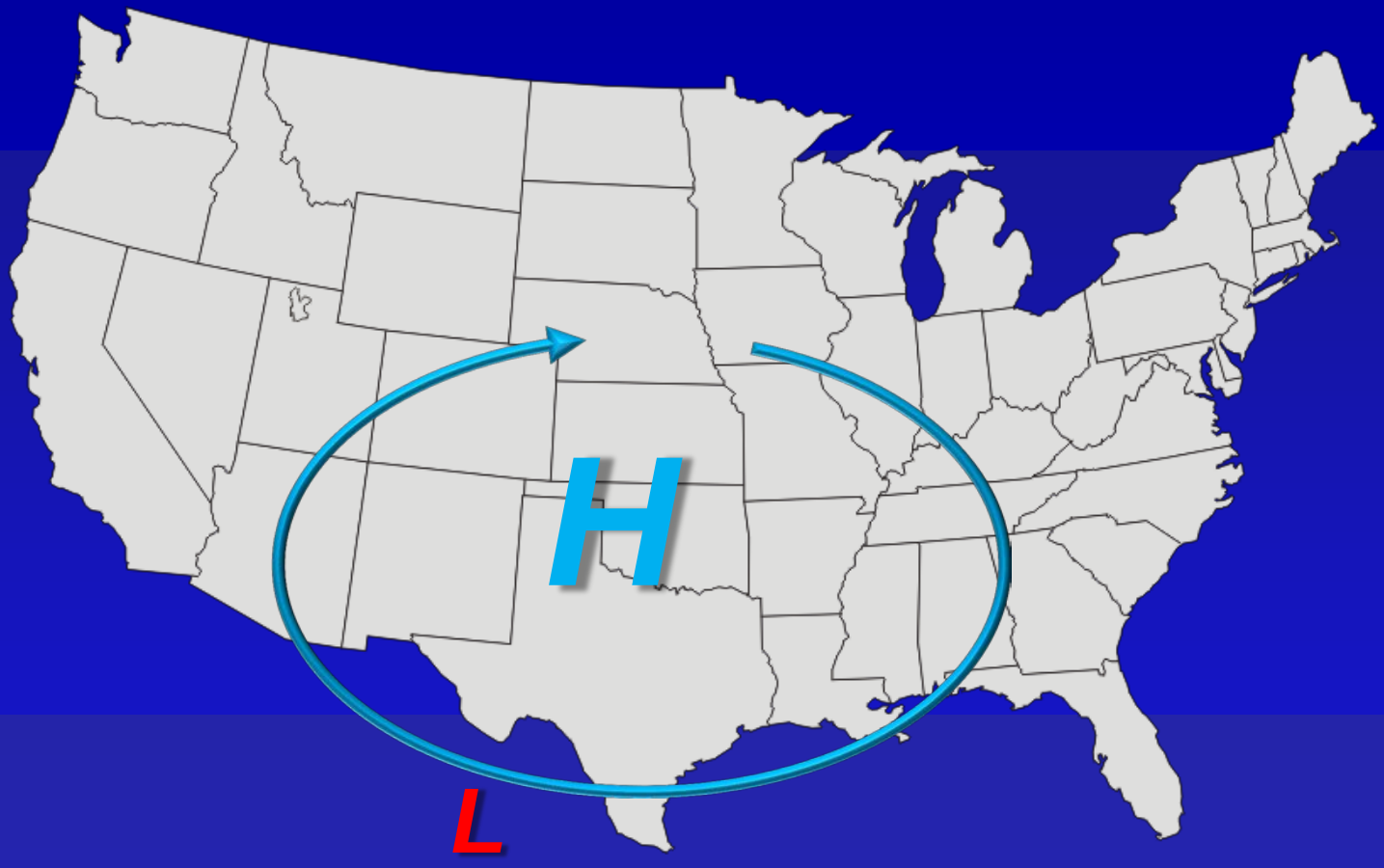
What Can Affect Monsoon Precip?



Warmer mid-level temperatures

More hostile environment for storms/precip

What Can Affect Monsoon Precip?

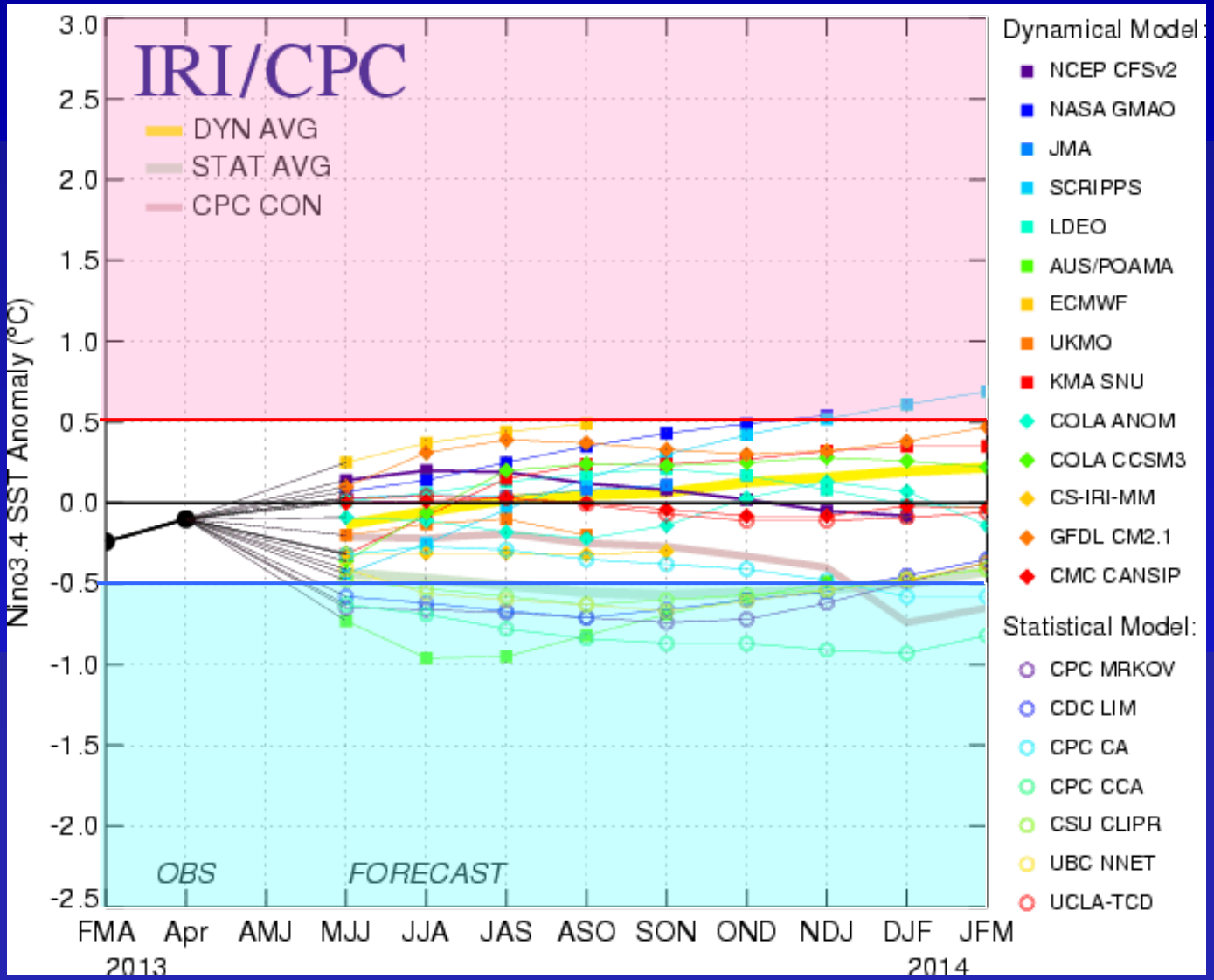


Small upper systems can move around upper high
Temporarily/locally enhance storm/precip chances

Arizona Winter Impacts

- El Nino winters…
  - Mild/cool temperatures, usually wetter than normal
- La Nina winters…
  - Warm temperatures, drier than normal
- Neutral winters…
  - Near normal temperatures overall, varying amounts of precip (other factors in play)
- Pacific Decadal Oscillation
  - “Warm phase” enhances precip chances
  - “Cold phase” decreases precip chances

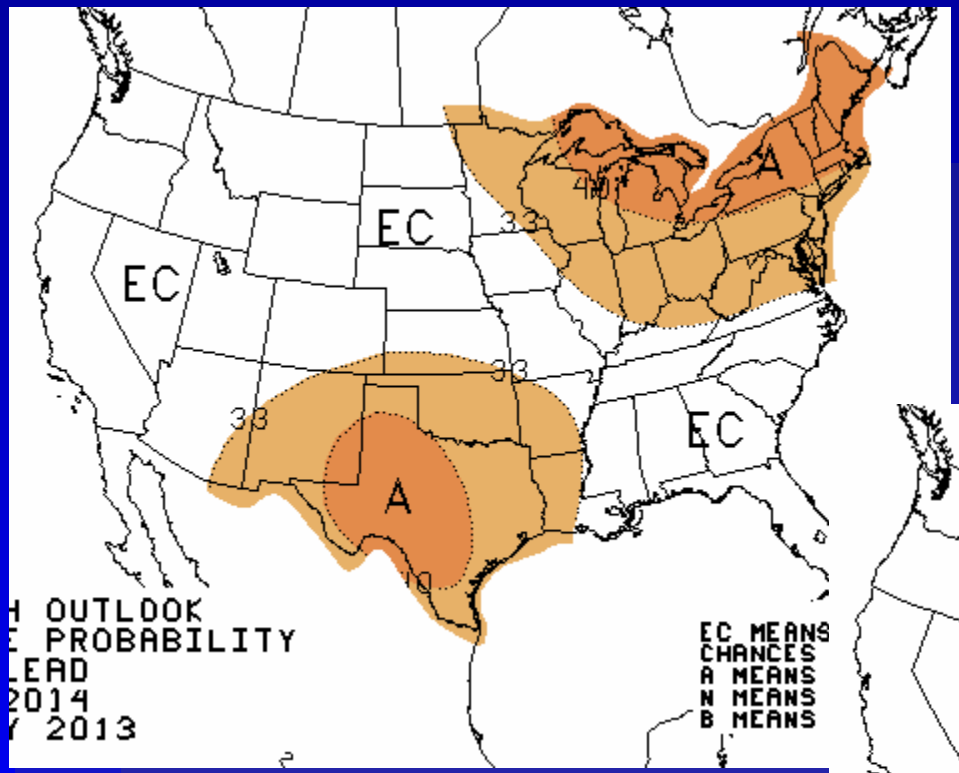
El Nino/La Nina Outlook...



Recent PDO Values

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2010	0.83	0.82	0.44	0.78	0.62	-0.22	-1.05	-1.27	-1.61	-1.06	-0.82	-1.21
2011	-0.92	-0.83	-0.69	-0.42	-0.37	-0.69	-1.86	-1.74	-1.79	-1.34	-2.33	-1.79
2012	-1.38	-0.85	-1.05	-0.27	-1.26	-0.87	-1.52	-1.93	-2.21	-0.79	-0.59	-0.48
2013	-0.13	-0.43	-0.63	-0.16								

Outlook: Jan/Feb/Mar 2014

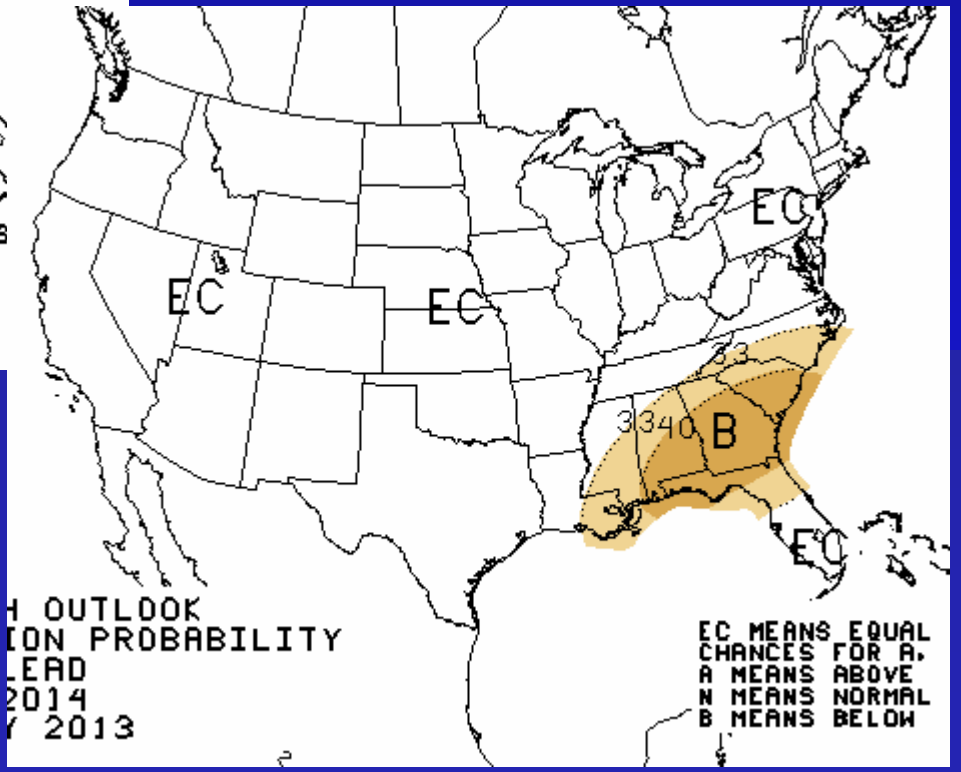


Three-month averages

Shading indicates chances of above/below normal

Slight favoring of above-normal temps in SE AZ

Even chances for precip to continue



Summary

- During summer/warm season, large-scale signals have less effect on Arizona's weather
- The 2013 summer outlook's odds favor above-normal temps, no favorite for precip
- The outlook for winter 2013-14 suggests little El Nino/La Nina affect, negative influence from PDO
- Overall, no favorite for precip in winter 2013-14

Questions? Contact us!

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