

Closing remarks

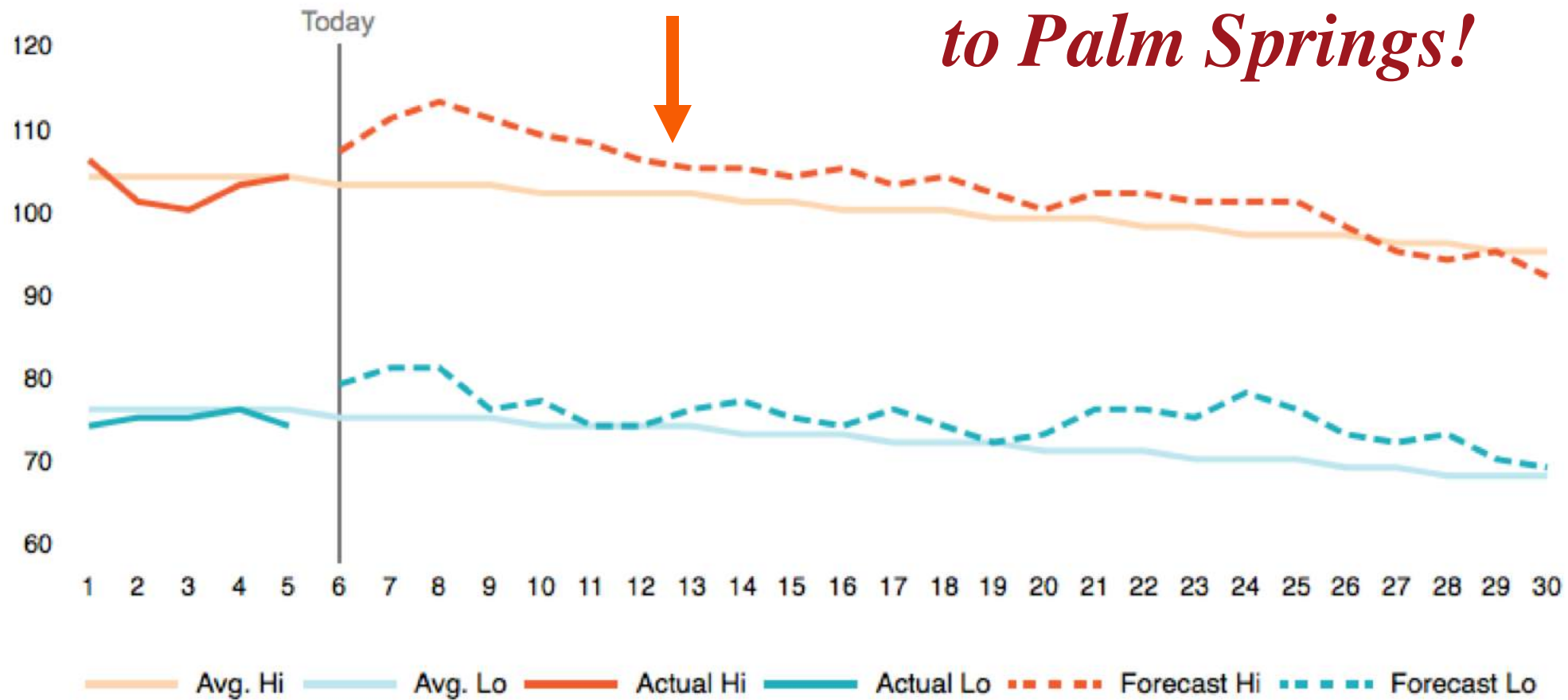
John Vidale, director

Palm Springs, California
September 10th to 12th, 2018



Temperature Graph September 2018

*Thanks for coming
to Palm Springs!*



SCEC5 Framing Questions

1. *Dynamics of fault systems*—how forces evolve within fault networks on time scales of hours to millennia to generate sequences of earthquakes.
2. *Dynamics of fault ruptures*—how forces produce fracture and slip on time scales of milliseconds to minutes when faults break chaotically during earthquakes.
3. *Dynamics of ground motions*—how seismic waves propagate from rupture volumes to shake the surface of the strongly heterogeneous, inelastic crust.
4. *Earthquake dynamics of the built environment*—how seismic phenomena cause damage to structures, lifelines, critical facilities, and other engineered systems.
5. *Social dynamics of communicating earthquake knowledge*—how to convey scientific information to society in ways that result in lowered risk and enhanced resilience.

AC Report

- Unusually well-focused and helpful!
- The very **complimentary overview** is gratifying, especially appreciation of outreach and engagement with early career scientists.
- **Gates** - Focus, multiplicity, and resources required for gates are subjects we ponder.
- **Cyberinfrastructure** – important, careful assessment and prioritization.
- **Community models** – critical, and flexibility is a key point.
- **Earthquake engineering** - key.
- **Flexibility and renewal of initiatives** - key.

SCEC 2018



Monday

08:30 "Long and Winding Road"

10:30 "All Together Now"

13:30 "Getting Better"

19:00 Banquet: "In My Life"

Wednesday

08:30 "With a Little Help from My Friends"

10:30 "I Want to Hold Your Hand"

Tuesday

08:30 "Fixing a Hole"

10:30 "Act Naturally"

13:30 "We Can Work It Out"

The Earthquake Center

1. The SCEC community has created an interdisciplinary, multi-institutional “virtual organization” for coordinating earthquake research in Southern California
2. SCEC sustains deep collaborations within an open, investigator-driven program of fundamental earthquake research
3. SCEC partners with many organizations to develop and disseminate authoritative earthquake information and to educate the public about the earthquake threat
4. SCEC collaboratories provide a unique cyberinfrastructure for system-level modeling of earthquake phenomena
5. Earthquake system science is revolutionizing seismic hazard analysis and earthquake forecasting



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Superb scientific content – **Planning Committee**

Exemplary organization and execution – **Tran Huynh and Deb Gormley**



See you here in a year!

SC¹/₂EC *Southern California*
AN NSF+USGS CENTER *Earthquake Center*

You can check out any time you like
But you can never leave!