LARGE MILLIMETER TELESCOPE ALFONSO SERRANO

#1 Current Status & Operations Overview (30th Sept. 2020)

#2 U.S. Community Access to the LMT (16th Oct. 2020)

#3 Open-Time Observing Proposals (30th Oct. 2020)

Moderator - Miguel Chávez (INAOE)

- LMT news: David Hughes (INAOE)
- Proposal Submission Process: Alfredo Montaña (INAOE)
- Proposal Review Process: Grant Wilson (UMASS)
- Instrumentation: Pete Schloerb & Min Yun (UMASS), Arturo Gómez-Ruiz (INAOE)
- Q&A: Alexandra Pope (UMASS)

#4 New Scientific Instruments (13th Nov. 2020)

#5 Future Telescope Engineering and Performance Upgrades (27th Nov. 2020)

Volcan Sierra Negra
altitude 4600 m
LMT news & updates
David Hughes    LMT Director / INAOE

• **LMT remains closed** (since March 2020) for scientific operations.

• Basic **inspection & remedial maintenance** to telescope infrastructure
  – standing water & corrosion issues (azimuth track, elevation gear, mechanical drive systems)

• **Power-up electromechanical systems** - M1 active surface, M2, M3, azimuth/elevation drive systems.
  – successful movement of LMT (23rd October) – no major problems.

• **Change of dates for Call for Proposals**
  – Open Call       9th November 2020
  – Close Call      18th December 2020
  – Observing Period 15th March – 15th September 2021        (subject to change)
## LMT Call for Proposals
Mexico (67.5%), UMASS (15%), U.S. Community (15%), Spain (2.5%)

<table>
<thead>
<tr>
<th>Schedule</th>
<th>2021 – S1 (6 months)</th>
<th>2021 – S2 (12 months)</th>
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<tbody>
<tr>
<td>Observing season</td>
<td>March 15&lt;sup&gt;th&lt;/sup&gt; 2021 - September 14&lt;sup&gt;th&lt;/sup&gt; 2021</td>
<td>September 15&lt;sup&gt;th&lt;/sup&gt; 2021 – September 14&lt;sup&gt;th&lt;/sup&gt; 2022</td>
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<tr>
<td>Open call</td>
<td><strong>November 9th 2020</strong></td>
<td>April 15&lt;sup&gt;th&lt;/sup&gt; 2021</td>
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<td>Close call</td>
<td><strong>December 18&lt;sup&gt;th&lt;/sup&gt; 2020</strong></td>
<td>May 31&lt;sup&gt;st&lt;/sup&gt; 2021</td>
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<td>Conclude review &amp; announcement of results</td>
<td>March 1&lt;sup&gt;st&lt;/sup&gt; 2021</td>
<td>August 15th 2021</td>
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<td>Instruments</td>
<td>SEQUOIA, RSR, B4R, 1mm SIS</td>
<td>SEQUOIA, RSR, B4R, 1mm SIS, TolTEC</td>
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Shared-risk: dates subject to change
11 R4 segments to be upgraded

180 segments
1424 nickel/rhodium panels
688 actuators

segments rings 1,2,3  25 - 35 μm r.m.s

segments rings 4,5  20 μm r.m.s