



<p>ESOCast Episode 7: Behind the scenes of “Around the World in 80 Telescopes”</p>	
<p>00:00 [Visual starts]</p> <p>[Narrator] 1. Is it possible to visit all major observatories in the world, covering every continent, in the space of just 24 hours? ESO made a trip “Around the World in 80 Telescopes” during a live 24-hour webcast. Let’s go behind the scenes to find out how it was done.</p>	<p>Earth map with 80 dots with video footage of domes as pull-ups coming from multiple of the dots</p>
<p>00:26 ESOCast intro</p> <p>This is the ESOCast! Cutting-edge science and life behind the scenes of ESO, the European Southern Observatory. Exploring the Universe’s ultimate frontier with our host Dr J, a.k.a. Dr Joe Liske.</p>	<p>ESOCast introduction</p>
<p>00:43 [Dr J]</p> <p>2. Hello and welcome to the ESOCast. In this episode we’re going to follow an incredible 24-hour live webcast that was produced at the ESO headquarters on April 3rd and 4th 2009. The webcast was called “Around the World in 80 Telescopes” and it attracted well over 100000 online viewers. The webcast was part of “100 Hours of Astronomy”, a Cornerstone project of the International Year of Astronomy 2009. Let’s now go backstage to see how this record-breaking event unfolded.</p>	<p>Dr J in virtual studio with VIP backstage ticket</p> <p>Background:</p> <ul style="list-style-type: none"> • The AWT80 logo with rotating Earth • ESO HQ building outside • Preparations for the event • IYA2009 logo <p>Slate: HOST: Dr J EPISODE 7:</p>
<p>01:14 [Narrator]</p> <p>3. The ESO headquarters in Garching, near Munich in Germany, is hosting the live 24- hour webcast that will follow night and day around the globe and visit some 80 different observatories on the way. This is a major technical and logistical challenge; preparations have been underway for months and with one day left to go, the pressure is on to get things ready.</p>	<p>ESO HQ</p> <p>Set up of equipment</p> <p>People rushing around</p>

<p>01:38 [Dr J]</p> <p>4. After a long, final night of testing, the morning of the webcast is here. The atmosphere is buzzing and the project leader, Douglas Pierce-Price, is pleased with the preparations.</p> <p>[Pierce-Price] This is the culmination of a lot of extremely hard work by people here at ESO and of course at all the observatories around the planet that we'll be visiting during this amazing 24-hour live webcast. Things are very, very busy behind the scenes but we're getting things in place, we're almost ready to go, and we're looking forward to it.</p>	<p>Dr J in virtual studio Background images:</p> <p>Preparations (continued)</p> <p>Douglas on-site statement</p>
<p>02:07 [Dr J]</p> <p>5. Before we delve into the rest of the day, what does it actually take to run a live webcast?</p> <p>Well, apart from having many wonderful observatories around the world to visit, you need a project leader that remains calm under pressure, a first-class production team, hilarious technical experts that put our guests at the observatories at ease, top notch autocue operators, a web team, a professional looking set and six attention-starved presenters. Oh, and, of course, an on-set blogger!</p>	<p>Full-screen footage (or still images) with brief name captions for each of.</p> <p>Douglas, Mind and Vision team Simon prepping observatory speakers back-stage footage – auto cue and web set all the presenters [possibly show all 6 presenters on screen at the same time, 6 mini screens] Lee preparing blogs; taking photos of others; pan across a screen shot of the Cosmic Diary LiveBlog page</p>
<p>02:37 [Narrator]</p> <p>6. Just a few minutes before the start of the webcast, and some final adjustments are made. The Gemini North Observatory in Hawaii will be the first stop in a long journey around the world. Everybody is in position as the webcast begins.</p> <p>[Pierce-Price] Hello. You're joining us for "Around the World in 80 Telescopes"— a live 24-hour webcast.</p>	<p>Moments before take off</p> <p>Openings scenes of the webcast</p>
<p>03:00 [Dr J]</p> <p>7. The webcast is a unique chance to experience a snapshot of life at many different observatories around the globe and to find out what astronomers are actually doing at the telescopes and what they hope to discover. However, like many live events, the webcast is not without initial setbacks.</p>	<p>Dr J in virtual studio Background images:</p> <p>Scenes from live cast, footage showing various observatories</p>
<p>03:17 [Narrator]</p> <p>8. Just over an hour into the broadcast, the streaming provider has a problem, leaving a blank screen for the thousands of viewers. All is not lost</p>	<p>Scenes when ustream not streaming</p> <p>Pan across Cosmic Diary website, showing Lee's blog entries "There's no stopping the webcast" mentioning the streaming problems</p>

<p>as the webcast continues with segments being recorded and uploaded online. Lee Pullen of the Cosmic Diary, another Cornerstone project of the International Year of Astronomy 2009, is writing a behind-the-scenes LiveBlog. His posts keep the audience informed, so nobody is left completely in the dark.</p> <p>After a tense and stressful half hour, we're back on air! Once again the telescope tour is on track</p>	<p>Footage of behind the scenes technical team looking like they're working on the problem</p> <p>Relieved/smiling people behind the scenes. Pan across the LiveBlog post saying "The webcast is back on"</p>
<p>04:49 [Narrator]</p> <p>9. With 24 hours of constant airtime, the webcast team work in shifts. People swap in and out of their positions, ensuring a continuous presence. The webcast is running smoothly, so Douglas takes an early evening break to eat a quick meal. The menu for the event was carefully chosen, in order to keep the team happy through the long hours. Although the team could have had a selection of local Bavarian dishes, they opted for a range of international foods, in honour of the event.</p>	<p>Different teams/presenters Team shifts Live cast footage</p> <p>Early evening meal</p>
<p>03:53 [Narrator]</p> <p>10. Over halfway through the webcast, the day has gone well. Viewers watching from all over the world have e-mailed in feedback and questions to be read out by our hosts on air.</p> <p>[Sharkey]</p> <p>And this is a question from Julie who writes in from the UK...</p> <p>[Narrator]</p> <p>The night shift team keep things running in the early hours, while Douglas finally gets just one hour of well-deserved rest.</p>	<p>Clips/images on audience feedback [hosts reading our questions, screenshots of email feedback, etc] Images from the night shift</p> <p>Clips of hosts reading out names and locations of viewers with comments/questions.</p> <p>Douglas sleep</p>
<p>04:48 [Dr J]</p> <p>11. The dawn of the next day marks the final stages of the webcast. The tired and slightly delirious team receives a much needed boost when the video from the Vatican Observatory is broadcast.</p> <p>Even after 20 hours, the team spirit is still high.</p>	<p>ESO HQ outdoor shot (dawn?)</p> <p>Webcast activities</p> <p>Footage back-stage of the Vatican video (with music from the video being played)</p>

<p>05:05 [Narrator]</p> <p>12. Finally, the webcast is over.</p> <p>[Pierce-Price statement]</p> <p>And so this brings us, after 24 hours of webcasting, to the end of "Around the World in 80 Telescopes"...</p>	<p>Finish of event/outro statement, (10 sec)</p> <p>Douglas closing speech while crew comes in and blue-screen disappears.</p>
<p>05:14 [Narrator]</p> <p>13. With more than 24 hours of continuous interviews completed, the time has come to celebrate the successful event with a glass of champagne.</p>	<p>Tired/happy people after shut down of equipment etc.</p> <p>Douglas on-site statement</p>
<p>05:26 [Dr J]</p> <p>14. I hope you enjoyed the look behind the scenes of "Around the World in 80 Telescopes". It was an incredible event, but I'm sure there will be further spectacular outreach activities from ESO in the future.</p> <p>This is Dr J signing off for the ESOcast. Join me again next time for another cosmic adventure.</p>	<p>Dr J in virtual studio presents and takes off backstage ticket</p> <p>Background images:</p> <p>People on location, ESO HQ</p>
<p>05:45 [Outro]</p>	<p>ESOcast is produced by ESO, the European Southern Observatory.</p> <p><i>ESO, the European Southern Observatory, is the pre-eminent intergovernmental science and technology organisation in astronomy designing, constructing and operating the world's most advanced ground-based telescopes.</i></p>

05:57
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