

Script for ESOcast Light 256: Hot Gas Bubble Swirling Around our Supermassive Black Hole

ESOcast Light 256	
[Visual starts]	
New ESOcast intro	New ESOcast introduction
Title: Hot Gas Bubble Swirling Around our Supermassive Black Hole	
<p>1. Using ALMA, astronomers have found a hot bubble of gas</p> <p>that swirls around Sagittarius A*, the black hole at the centre of our galaxy,</p> <p>at 30% of the speed of light.</p>	
<p>2. Clues about this bubble were hidden in ALMA data obtained in 2017</p> <p>as part of observations with the Event Horizon Telescope.</p>	
<p>3. Hot bubbles were long thought to be linked to high-energy flares in Sagittarius A*...</p> <p>...but their presence in radio light was elusive, until now.</p>	
<p>4. ALMA's observations have also allowed astronomers to reveal the magnetic origin of the flares causing the hot gas bubble.</p>	
<p>5. <i>"Hopefully, one day, we will be comfortable saying that we 'know' what is going on in Sagittarius A*"</i> Maciek Wielgus, MPIfR, Germany.</p>	
[Outro]	<i>Produced by ESO, the European Southern Observatory.</i>

	<i>Reaching new heights in Astronomy.</i>
	Also interesting: https://youtu.be/hXrJDXm6mn4 https://youtu.be/D3m-GtAt5hY