ESOcast Light 181: Most Detailed Observations of Material Orbiting close to a Black Hole

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[Visual starts]	
New ESOcast intro	New ESOcast introduction
Title: Most Detailed Observations of Material Orbiting close to a Black Hole	
ESO's GRAVITY instrument has investigated the supermassive black hole lurking at the centre of our Milky Way.	
2. It spotted clumps of gas swirling around the black hole at about 30% of the speed of light.	
3. If this gas was any closer in, it would be doomed to be pulled beyond the event horizon	
4vanishing beyond the point of no return.	
5. This is the first time that material orbiting so close to a black hole has been seen in detail	
6and supports the long-standing assumption that the object in the centre of our Milky Way is a supermassive black hole.	
00:00 [Outro]	Produced by ESO, the European Southern Observatory. Reaching new heights in Astronomy.