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*Supplement of*

## **Multi-century lake area changes in the Andean high-elevation ecosystems of the Southern Altiplano**

**M. S. Morales et al.**

*Correspondence to:* M. S. Morales ([mmorales@mendoza-conicet.gob.ar](mailto:mmorales@mendoza-conicet.gob.ar))

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## Supplement

S1: Dates of LANSAT Images used to calibrate the lake area reconstruction model.  
 LANDSAT MSS 1975-1984, LANDSAT TM 1986-2009.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1975												X
1976										X		X
1977				X				X				X
1978					X			X			X	
1979					X			X				X
1980								X				X
1981					X							X
1982	X											
1983												
1984										X		
1985												
1986			X		X			X		X		
1987												X
1988							X			X		
1989							X	X	X			
1990							X	X				
1991					X			X				
1992						X			X			
1993					X				X			
1994				X	X			X				
1995					X				X		X	
1996									X	X		
1997								X				
1998					X			X				
1999				X				X				
2000			X					X				
2001				X				X				
2002		X										
2003						X				X		
2004					X			X				
2005	X		X	X	X	X	X	X	X	X		
2006		X	X	X	X	X	X	X	X	X	X	X
2007	X	X	X	X	X	X**	X	X	X			
2008	X	X*	X	X				X	X		X	X
2009		X	X	X	X	X	X	X		X	X	X

\*data for Chojla lake only, \*\* data for Coruto lake only

S2: List of precipitation stations used to estimate the 1983 mean annual lake area from the Vilama-Coruto region.

Station	Lat S / Long W	Elevation (m)	Period
Visviri	17° 37' / 69° 28'	4080	1968-2007
Oruro	17° 57' / 67° 08'	3706	1943-2009
Alcerreca	17° 59' / 69° 41'	3900	1971-2008
Cota Kotani	18° 11' / 69° 13'	4550	1963-2007
Putre	18° 11' / 69° 33'	3545	1970-2007
Parinacota	18° 12' / 69° 16'	4420	1933-2006