

TABLE 2. Moisture source for Andean region from FLEXPART model considering the seasonal period 1980-2012 and hydrographic units of Fig 3.

Source		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual mean	
Atlantic ocean (mm/month)	TSA	0.96	1.20	1.17	3.54	8.37	8.59	7.34	6.89	05.06	2.30	3.71	0.83	4.16	
		0.10	0.14	0.11	0.22	0.50	0.72	0.73	0.62	0.38	0.12	0.20	0.07	0.33	
	TNA	204.17	184.86	194.89	134.91	47.40	32.74	22.15	12.64	21.46	55.33	90.42	154.66	96.3	
		20.50	21.12	17.62	8.42	2.85	2.75	2.21	1.13	1.60	2.93	4.93	12.21	8.19	
	TA	36.64	39.47	60.17	80.34	70.88	43.85	27.35	26.64	31.53	32.05	39.46	38.06	43.87	
		3.68	4.51	5.44	05.01	4.26	3.68	2.73	2.38	2.36	1.70	2.15	3.00	3.41	
	STNA	5.95	5.45	4.38	02.08	01.08	1.53	0.79	0.28	0.16	0.54	02.02	4.95	2.43	
		0.60	0.62	0.40	0.13	0.06	0.13	0.08	0.02	0.01	0.03	0.11	0.39	0.22	
	CARS	27.06	20.53	28.09	41.60	25.80	3.87	3.54	5.76	7.99	18.61	50.72	41.11	22.89	
		2.72	2.35	2.54	2.60	1.55	0.32	0.35	0.51	0.60	0.99	2.77	3.25	1.71	
	Total	274.78	251.50	288.69	262.47	153.53	90.58	61.18	52.20	66.20	108.84	186.34	239.59	169.66	
		27.59	28.73	26.11	16.38	9.22	7.60	6.10	4.66	4.95	5.76	10.17	18.92	13.85	
	Pacific ocean (mm/month)	TSP	153.27	47.92	36.32	101.30	249.77	233.15	221.16	268.72	358.29	596.45	620.41	374.68	271.79
			15.39	5.47	3.28	6.32	15.00	19.57	22.06	24.01	26.76	31.59	33.85	29.58	19.41
TNP		54.20	31.35	28.00	69.01	131.71	98.81	79.69	96.82	131.49	205.47	202.58	96.64	102.15	
		5.44	3.58	2.53	4.31	7.91	8.29	7.95	8.65	9.82	10.88	11.05	7.63	7.34	
Total		207.47	79.27	64.32	170.31	381.49	331.96	300.85	365.54	489.78	801.93	822.99	471.32	373.94	
		20.83	09.06	5.82	10.63	22.90	27.86	30.01	32.66	36.59	42.48	44.91	37.21	26.75	
Terrestrial (mm/month)	ORIC	124.29	166.57	262.85	444.69	391.51	262.46	206.45	190.02	220.71	264.92	187.85	120.37	236.89	
		12.48	19.03	23.77	27.76	23.51	22.03	20.60	16.98	16.49	14.03	10.25	9.50	18.04	

		0.51	0.83	1.80	18.54	42.10	30.07	35.71	26.65	7.78	2.37	02.04	0.52	14.08
	SAMZ	0.05	0.09	0.16	1.16	2.53	2.52	3.56	2.38	0.58	0.13	0.11	0.04	1.11
		374.93	354.62	438.06	540.58	465.46	272.24	232.08	298.95	434.19	646.31	603.87	422.49	423.65
	NOSA	37.64	40.51	39.62	33.74	27.95	22.85	23.15	26.71	32.43	34.23	32.95	33.36	32.10
		14.05	22.60	50.03	165.47	231.47	204.01	166.10	185.83	120.02	63.56	29.63	12.33	105.43
	NAMZ	1.41	2.58	4.52	10.33	13.90	17.12	16.57	16.60	8.97	3.37	1.62	0.97	8.16
		513.78	544.61	752.75	1169.28	1130.53	768.79	640.34	701.44	782.70	977.16	823.39	555.71	780.04
	Total	51.58	62.21	68.08	72.99	67.88	64.53	63.88	62.67	58.47	51.76	44.93	43.87	59.40