

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)		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
	TSA	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
	TNA	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
	TA	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
	STNA	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
	CARS	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
	Total	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
Pacific ocean (mm/month)	TSP	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
	TNP	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
	Total	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
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

	SAMZ	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
		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
	NOSA	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
		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
	NAMZ	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
		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
	Total	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
		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