



Hietograma de diseño tipo Frequency Storm de HEC-HMS. Duración 24h. Pico al 67%. T=500

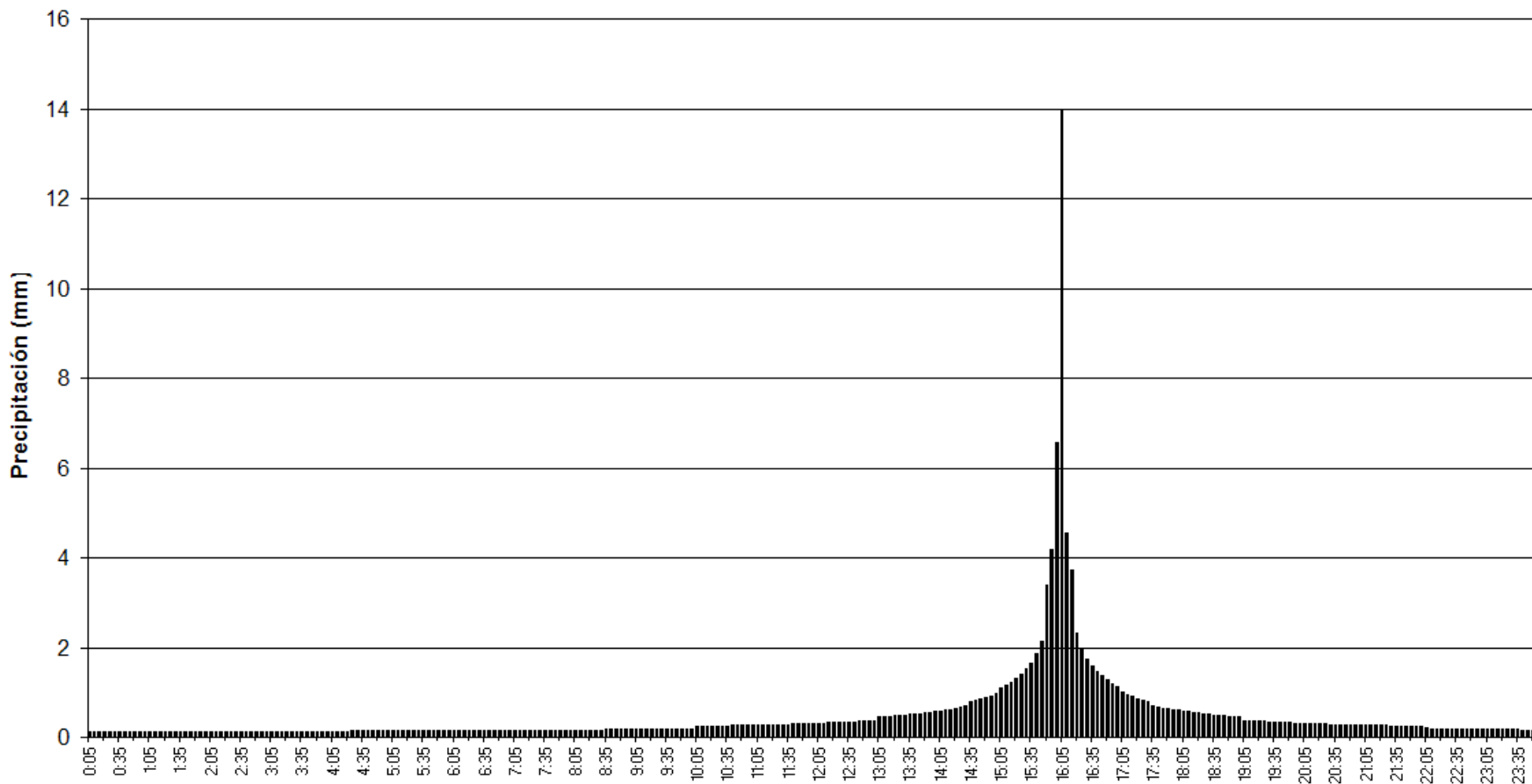


Figura 1: Hietograma de cálculo. T=500



T	Cuant.Reg	Alameda	Alcázar	Aldea	Argam. Alba	Bolaños	Calzada	Carrión	Ciudad Real	Corral	Fuenllana	La Solana	Malagón
2	0.9031815	28.1	27.9	31.8	32.5	31.4	32.5	31.8	28.5	35.6	31.7	29.8	31.4
5	1.2449405	38.8	38.4	43.8	44.8	43.3	44.8	43.9	39.3	49.1	43.7	41.1	43.3
10	1.5044973	46.8	46.4	53.0	54.1	52.3	54.1	53.0	47.5	59.3	52.8	49.7	52.4
25	1.8759704	58.4	57.9	66.1	67.5	65.3	67.5	66.1	59.3	74.0	65.9	62.0	65.3
50	2.1868448	68.1	67.5	77.0	78.7	76.1	78.7	77.0	69.1	86.2	76.8	72.2	76.1
100	2.5287556	78.7	78.0	89.0	91.0	88.0	91.0	89.1	79.9	99.7	88.8	83.5	88.0
200	2.9060038	90.5	89.7	102.3	104.5	101.1	104.6	102.4	91.8	114.6	102.1	96.0	101.2
500	3.4662716	107.9	107.0	122.1	124.7	120.6	124.7	122.1	109.5	136.7	121.8	114.5	120.7

T	Cuant.Reg	Manzanares	Peñarroya	Poblete	Pozuelo	Pto. Lapice	Ruidera	SC Valle	Socuellamos	SC Mudela	Torralba	Valdepeñas	Villarta
2	0.9031815	29.6	33.1	32.1	29.9	33.1	33.1	34.2	43.6	32.3	31.5	32.2	27.1
5	1.2449405	40.8	45.6	44.3	41.2	45.7	45.6	47.1	60.1	44.5	43.4	44.3	37.3
10	1.5044973	49.4	55.1	53.5	49.7	55.2	55.1	56.9	72.6	53.7	52.4	53.6	45.1
25	1.8759704	61.5	68.7	66.7	62.0	68.8	68.7	71.0	90.5	67.0	65.3	66.8	56.2
50	2.1868448	71.7	80.1	77.7	72.3	80.2	80.1	82.8	105.5	78.1	76.2	77.9	65.5
100	2.5287556	83.0	92.7	89.9	83.6	92.8	92.7	95.7	122.0	90.3	88.1	90.0	75.7
200	2.9060038	95.3	106.5	103.3	96.1	106.6	106.5	110.0	140.2	103.8	101.2	103.5	87.0
500	3.4662716	113.7	127.0	123.2	114.6	127.2	127.0	131.2	167.2	123.8	120.7	123.4	103.8

Tabla 1: Precipitación diaria máxima en las estaciones de la región (Anual- P_{24h}-AMS)



T	T _p	Cuant.Reg	Alameda	Alcazar	Aldea	Argam.Alba	Bolaños	Calzada	Carrión	Ciudad Real	Corral	Fuenllana	La Solana	Malagón
2	2.854	0.995069	31.6	33.5	32.3	34.5	30.7	32.4	32.7	30.5	32.7	25.1	31.5	35.6
5	8.864	1.353683	43.0	45.6	44.0	47.0	41.8	44.1	44.5	41.6	32.5	34.1	28.7	48.5
10	18.774	1.619422	51.4	54.6	52.6	56.2	50.0	52.8	53.3	49.7	38.9	40.8	34.3	58.0
25	48.455	1.991293	63.2	67.1	64.7	69.1	61.5	64.9	65.5	61.1	47.8	50.2	42.2	71.3
50	97.910	2.295839	72.9	77.4	74.6	79.7	70.9	74.8	75.5	70.5	55.1	57.9	48.7	82.2
100	196.813	2.624665	83.3	88.5	85.3	91.1	81.0	85.6	86.4	80.6	63.0	66.1	55.6	94.0
200	394.618	2.980875	94.6	100.5	96.9	103.4	92.0	97.2	98.1	91.5	71.5	75.1	63.2	106.7
500	988.029	3.498721	111.1	117.9	113.7	121.4	108.0	114.1	115.1	107.4	84.0	88.2	74.2	125.3

T	T _p	Cuant.Reg	Manzanares	Peñarroya	Poblete	Pto.Lápice	Ruidera	S.C del Valle	Socuellamos	S.C de Mudela	Torralba	Valdepeñas	Villarta
2	2.854	0.995069	31.9	32.9	32.1	32.5	33.7	34.2	35.0	34.6	32.4	33.7	31.8
5	8.864	1.353683	43.5	44.8	43.7	44.3	45.9	46.6	47.6	47.1	44.1	45.9	43.3
10	18.774	1.619422	52.0	53.6	52.3	53.0	54.9	55.7	57.0	56.4	52.8	54.9	51.8
25	48.455	1.991293	63.9	65.9	64.3	65.1	67.5	68.5	70.1	69.3	64.9	67.5	63.7
50	97.910	2.295839	73.7	76.0	74.2	75.1	77.8	79.0	80.8	79.9	74.8	77.8	73.5
100	196.813	2.624665	84.3	86.9	84.8	85.8	89.0	90.3	92.4	91.3	85.6	89.0	84.0
200	394.618	2.980875	95.7	98.7	96.3	97.5	101.1	102.5	104.9	103.7	97.2	101.1	95.4
500	988.029	3.498721	112.3	115.8	113.0	114.4	118.6	120.4	123.2	121.8	114.1	118.6	112.0

Tabla 2: Precipitación diaria máxima en las estaciones de la región (Anual- P_{24h}-PDS)



Hietograma de diseño tipo Frequency Storm de HEC-HMS. Duración 24h. Pico al 67%. T=500

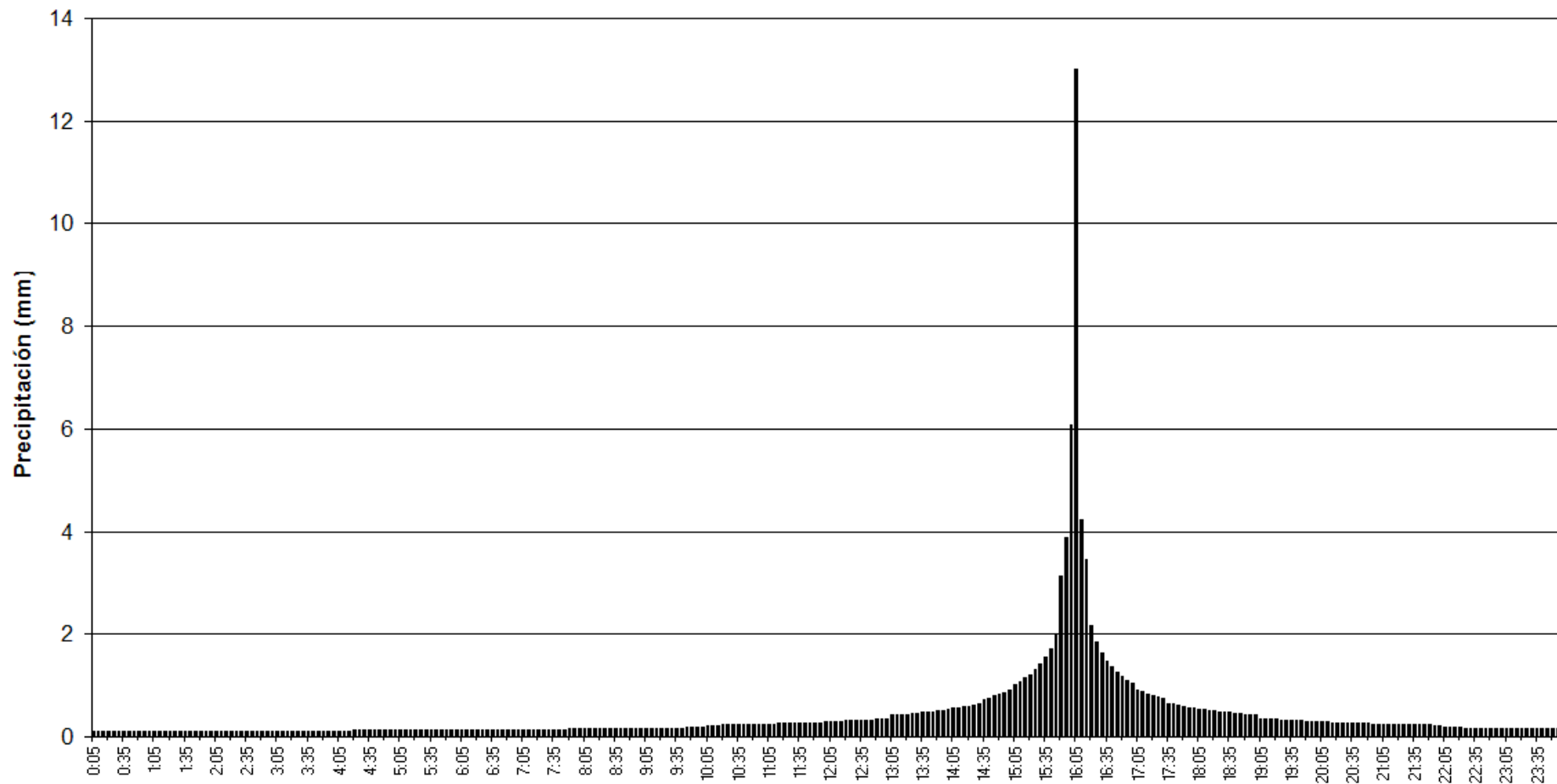


Figura 2: Hietograma de cálculo de duración 24 horas. T= 500 (Anual- P_{24h}-AMS)

ANEXO 1: ESTUDIO PLUVIOMÉTRICO



T	T _p	Cuant.Reg	Alcazar	Aldea	Argam.Alba	Bolaños	Calzada	Carrión	Ciudad Real	Corral	La Solana	Malagón
2	1.7475	0.762	14.0	13.3	16.7	14.8	14.3	15.3	14.0	13.7	15.3	14.8
5	5.4282	1.281	23.5	22.4	28.0	24.9	24.0	25.7	23.6	23.1	25.7	25.0
10	11.4965	1.692	31.0	29.5	37.0	32.9	31.7	34.0	31.2	30.5	34.0	33.0
25	29.6721	2.301	42.2	40.2	50.3	44.7	43.1	46.2	42.4	41.4	46.2	44.8
50	59.9561	2.828	51.8	49.4	61.8	55.0	53.0	56.8	52.1	50.9	56.8	55.1
100	120.5210	3.426	62.8	59.8	74.9	66.6	64.1	68.8	63.2	61.7	68.8	66.8
200	241.6491	4.104	75.2	71.6	89.8	79.8	76.9	82.5	75.7	73.9	82.4	80.0
500	605.0322	5.148	94.3	89.9	112.6	100.1	96.4	103.4	94.9	92.7	103.4	100.3

T	T _p	Cuant.Reg	Manzanares	Peñarroya	Pto.Lápice	Ruidera	S.C del Valle	Socuellamos	S.C Mudela	Torralba	Valdepeñas	Villarta
2	1.7475	0.762	16.3	16.8	15.2	17.2	15.1	13.8	16.8	15.9	15.2	15.0
5	5.4282	1.281	27.4	28.2	25.6	28.9	25.4	23.3	28.2	26.8	25.6	25.2
10	11.4965	1.692	36.2	37.2	33.9	38.2	33.5	30.7	37.2	35.4	33.8	33.3
25	29.6721	2.301	49.2	50.6	46.0	51.9	45.6	41.8	50.6	48.1	46.0	45.3
50	59.9561	2.828	60.5	62.2	56.6	63.8	56.1	51.4	62.3	59.1	56.5	55.7
100	120.5210	3.426	73.3	75.4	68.6	77.3	67.9	62.3	75.4	71.6	68.5	67.5
200	241.6491	4.104	87.8	90.3	82.1	92.6	81.4	74.6	90.4	85.8	82.1	80.8
500	605.0322	5.148	110.2	113.2	103.0	116.1	102.1	93.6	113.3	107.6	102.9	101.4

Tabla 3: : Precipitación diaria máxima en las estaciones de la región (Estacional- P_{tor}-PDS)

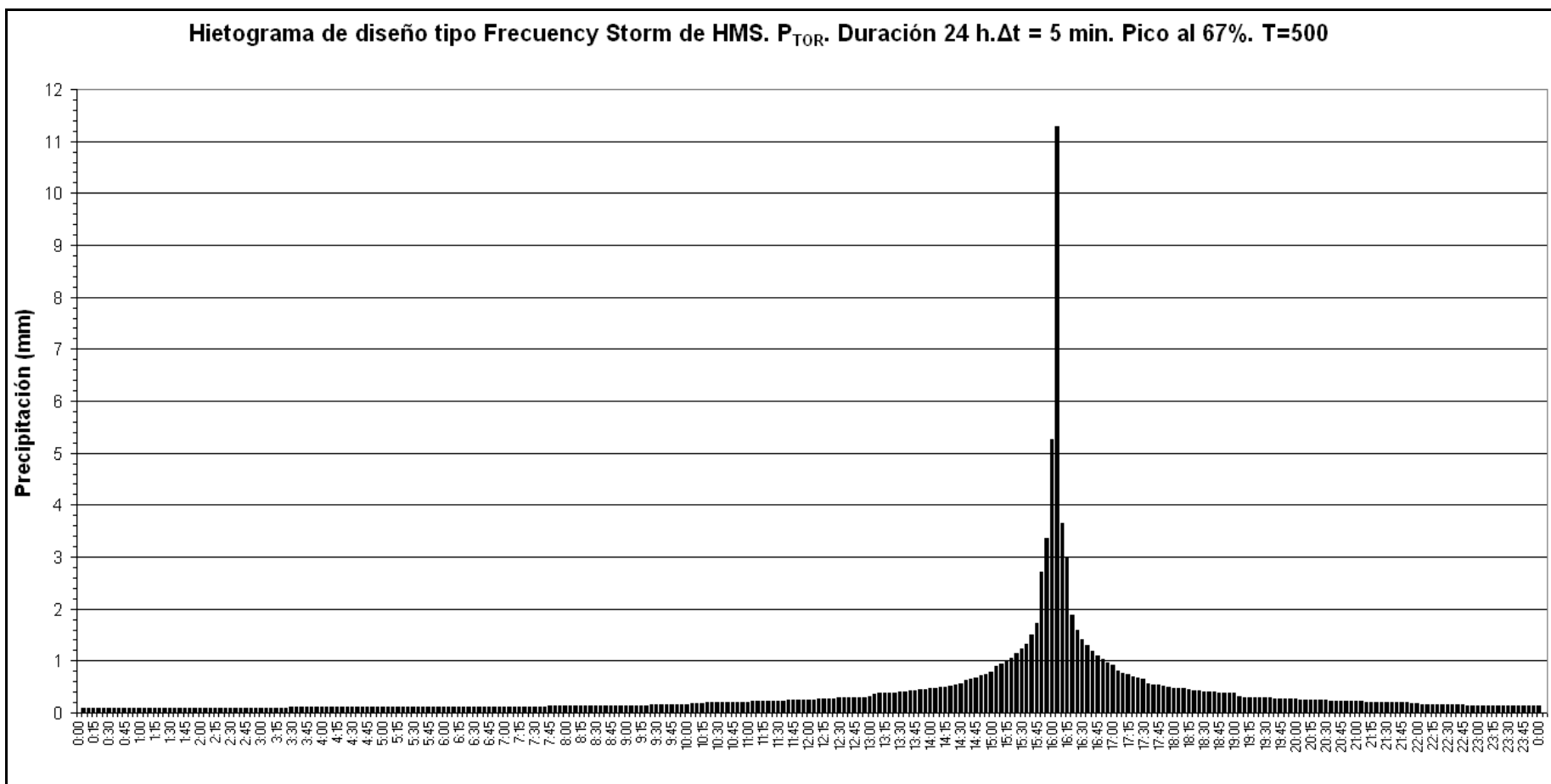


Figura 3: : Hietograma de cálculo de duración 24 horas. $T= 500$ (Estacional- P_{tor} -PDS)