

11mbit.cnd

INPUT.CMD

6 dB

1000 messages

50000 messages

-53 dBm

Note: 11 Mbit, 9 dB SIR tested for (18 dB SNR - 10.4 + 1 impl. lc

Takes into account 1 dB of implementation loss (allowed 2 dB).

Only RxD errors are taken into account since these need better

Attention: Input the red cells for correct spreadsheet calcu

Number of received data errors as a function of frequency and interference level													
Not measured combinations listed as "-1"							H	I	J	K	L	M	N
	Uncorrected Interference level dialed at CW generator												
	-60		-59		-58								
	True CW interference level at receiver input (dBm)												
	-66		-65		-64								
J/S ratio (dB)	-13 #PDA		-12 #PDA		-11 #PDA		-10 #PDA		-9 #PDA		-8 #PDA		-7
Frequency (Hz)													
2409000000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2409050000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2409100000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2409150000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2409200000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2409250000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2409300000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2409350000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2409400000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2409450000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2409500000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2409550000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2409600000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2409650000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2409700000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2409750000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2409800000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2409850000	0	1000	0	1000	0	1000	0	1000	0	998	0	1000	0
2409900000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2409950000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410000000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410050000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410100000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410150000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2410200000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410250000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410300000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410350000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410400000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2410450000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410500000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410550000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410600000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410650000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410700000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0

2410750000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410800000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410850000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2410900000	0	1000	0	1000	0	1000	0	1000	0	1000	0	998	0
2410950000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411000000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411050000	0	1000	0	1000	0	1000	0	1000	0	998	0	1000	0
2411100000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411150000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2411200000	0	1000	0	1000	0	1000	0	1000	0	999	0	999	0
2411250000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2411300000	0	1000	0	1000	0	1000	0	1000	0	998	0	1000	0
2411350000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411400000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411450000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411500000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2411550000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411600000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411650000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411700000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411750000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411800000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411850000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411900000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2411950000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412000000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412050000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2412100000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412150000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2412200000	0	1000	0	1000	0	1000	0	1000	0	999	0	999	0
2412250000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412300000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412350000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412400000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412450000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2412500000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412550000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412600000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412650000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412700000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412750000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412800000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2412850000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2412900000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2412950000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413000000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413050000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413100000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413150000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0

2413200000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413250000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413300000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413350000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413400000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413450000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2413500000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413550000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413600000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413650000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413700000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413750000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2413800000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413850000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2413900000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2413950000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2414000000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2414050000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2414100000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2414150000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2414200000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2414250000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2414300000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2414350000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2414400000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2414450000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2414500000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2414550000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2414600000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2414650000	0	1000	0	1000	0	1000	0	1000	0	999	0	999	0
2414700000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2414750000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2414800000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2414850000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2414900000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2414950000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415000000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415050000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415100000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415150000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415200000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2415250000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415300000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415350000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2415400000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415450000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415500000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415550000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415600000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0

2415650000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415700000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415750000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2415800000	0	1000	0	1000	0	1000	0	1000	0	997	0	1000	0
2415850000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415900000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2415950000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2416000000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2416050000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2416100000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2416150000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2416200000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2416250000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2416300000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2416350000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2416400000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2416450000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2416500000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2416550000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2416600000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2416650000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2416700000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2416750000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2416800000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2416850000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2416900000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2416950000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2417000000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2417050000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2417100000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2417150000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2417200000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2417250000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2417300000	0	1000	0	1000	0	1000	0	1000	0	999	0	999	0
2417350000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2417400000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2417450000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2417500000	0	1000	0	1000	0	1000	0	1000	0	999	0	999	0
2417550000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2417600000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2417650000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2417700000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2417750000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2417800000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2417850000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2417900000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2417950000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2418000000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2418050000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0

[illegible]

[illegible]

2423000000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2423050000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2423100000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2423150000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2423200000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2423250000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2423300000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2423350000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2423400000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2423450000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2423500000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2423550000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2423600000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2423650000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2423700000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2423750000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2423800000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2423850000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2423900000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2423950000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2424000000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2424050000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2424100000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2424150000	0	1000	0	1000	0	1000	0	1000	0	999	0	999	0
2424200000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2424250000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2424300000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2424350000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2424400000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2424450000	0	1000	0	1000	0	1000	0	1000	0	1000	0	999	0
2424500000	0	1000	0	1000	0	1000	0	1000	0	998	0	1000	0
2424550000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2424600000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2424650000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2424700000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2424750000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2424800000	0	1000	0	1000	0	1000	0	1000	0	999	0	1000	0
2424850000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2424900000	0	1000	0	1000	0	1000	0	1000	0	999	0	998	0
2424950000	0	1000	0	1000	0	1000	0	1000	0	1000	0	1000	0
2425000000	0	1000	0	998	0	1000	0	1000	0	1000	0	1000	0

osses).

SIR then preamble at 1 MBit

lations!

total errors 52
percentage 18.57%

OK? =<20%, OK

O	P	Q	R	S					
	-53		-52		RxD Errors	PDA	RxD Errors	PDA	Both error
	-59		-58		detected	missing	detected	missing	RxD and
					full test	full test	up to CW	up to CW	PDA
#PDA	-6	#PDA	-5	#PDA	range	range	=< -62 dBm	=< -62 dBm	=< -62 dBm
							(J/S = -9dB)	(J/S = -9 dB)	
1000	0	1000	0	49987	OK, 0 RxD errors	OK, No PDA err	0	0	0
1000	0	1000	0	49993	OK, 0 RxD errors	OK, No PDA err	0	0	0
1000	0	1000	0	49984	OK, 0 RxD errors	OK, No PDA err	0	0	0
999	0	1000	0	49989	OK, 0 RxD errors	OK, No PDA err	0	0	0
1000	0	1000	0	49988	OK, 0 RxD errors	OK, No PDA err	0	0	0
999	0	1000	0	49990	OK, 0 RxD errors	OK, No PDA err	0	0	0
999	0	1000	0	49991	OK, 0 RxD errors	OK, No PDA err	0	1	1
1000	0	999	0	49983	OK, 0 RxD errors	OK, No PDA err	0	0	0
1000	0	1000	0	49985	OK, 0 RxD errors	OK, No PDA err	0	0	0
999	0	1000	0	49987	OK, 0 RxD errors	OK, No PDA err	0	1	1
1000	0	1000	0	49996	OK, 0 RxD errors	OK, No PDA err	0	0	0
1000	0	1000	0	49989	OK, 0 RxD errors	OK, No PDA err	0	0	0
1000	0	1000	0	49988	OK, 0 RxD errors	OK, No PDA err	0	1	1
1000	0	999	0	49991	OK, 0 RxD errors	OK, No PDA err	0	0	0
1000	0	999	0	49993	OK, 0 RxD errors	OK, No PDA err	0	0	0
999	0	1000	0	49986	OK, 0 RxD errors	OK, No PDA err	0	1	1
1000	0	1000	0	49981	OK, 0 RxD errors	OK, No PDA err	0	1	1
1000	0	1000	0	49984	OK, 0 RxD errors	OK, No PDA err	0	1	1
1000	0	1000	0	49989	OK, 0 RxD errors	OK, No PDA err	0	0	0
1000	0	1000	0	49990	OK, 0 RxD errors	OK, No PDA err	0	0	0
1000	0	1000	0	49983	OK, 0 RxD errors	OK, No PDA err	0	0	0
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1000	0	1000	0	49986	OK, 0 RxD errors	OK, No PDA err	0	0	0
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999	0	1000	0	49985	OK, 0 RxD errors	OK, No PDA err	0	0	0
1000	0	1000	0	49987	OK, 0 RxD errors	OK, No PDA err	0	0	0
1000	0	1000	0	49984	OK, 0 RxD errors	OK, No PDA err	0	0	0

[illegible]

[illegible]

[illegible]

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1000	0	999	0	49995	OK, 0 RxD errors	OK, No PDA err	0	0	0
1000	0	1000	0	49994	OK, 0 RxD errors	OK, No PDA err	0	0	0
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1000	0	1000	0	49987	OK, 0 RxD errors	OK, No PDA err	0	0	0
1000	0	1000	0	49992	OK, 0 RxD errors	OK, No PDA err	0	0	0

[illegible]

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							0.00%	18.57%	18.57%
							=<20%, OK	=<20%, OK	=<20%, OK

out of 280 measurement points.

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12:00:48	04/14/99
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11:58:17	04/14/99
11:57:01	04/14/99

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