



Rig Mass Flow Rate Calculations

Please Enter Parameters in highlighted boxes below

Engine Data File		
Ambient Conditions		
Air Temperature	2	[C]
Atmospheric Pressure	954	[mBar]
Air Humidity	86	[%]
Viper Engine Parameters		
Engine Air Intake Mass Flow	18.7	[Kg/s]
Butane Flow Rate	1732	[Ltr/h]
Engine Speed	12150	[RPM]
ETC	650	[C]
Gas Delivery System Data File		
Gas Delivery System		
Mixed Gas (Fuel) Mass Flow rate	0.300	[Kg/s]
Oxygen Mass Flow rate	0.520	[Kg/s]

Please do not change anything in this box

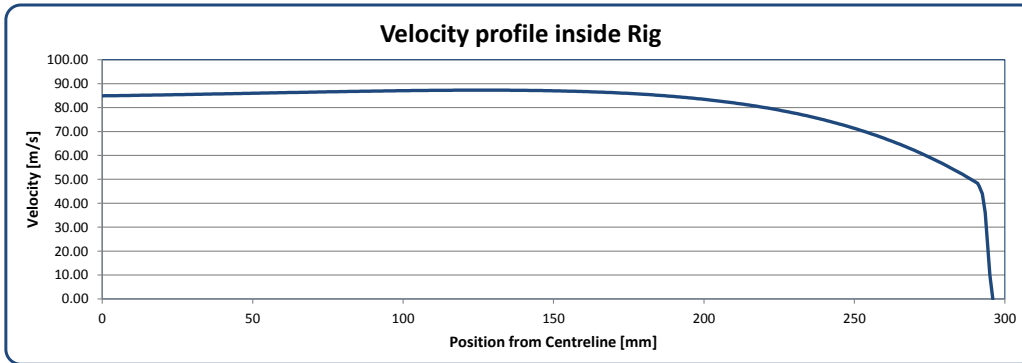
Test Date and Time = 05.03.2016 15:27:24.3

Calculated Parameters		
Air density	1.205643	[Kg/m ³]
Liquid Butane density	584	[Kg/m ³]
Butane mass Flow rate	0.280969	[Kg/s]
Air Fuel Ratio	79.23263	[]
Calculated Exhaust gas properties (Reaction Engines)		
Exhaust products density	0.41	[Kg/m ³]
Pitot Traverse Results		
Rig Gas flow rate - Integrated	9.014	[Kg/s]
Total Rig Mass flow	9.834	[Kg/s]
Rig Gas Temperature as read from TC 11		
Gas Temperature	500	[C]

Bruce Ewan to fill in

Note

Manual for viper 201 gives figures for fuel flow rate to be as follows at maximum power					
Fuel Flow	2035	lb/hr	to	2920	lb/hr
	925	Kg/hr		1327.273	Kg/hr
	1156.25	ltr/hr		1659.091	ltr/hr



Data Acquisition Parameters

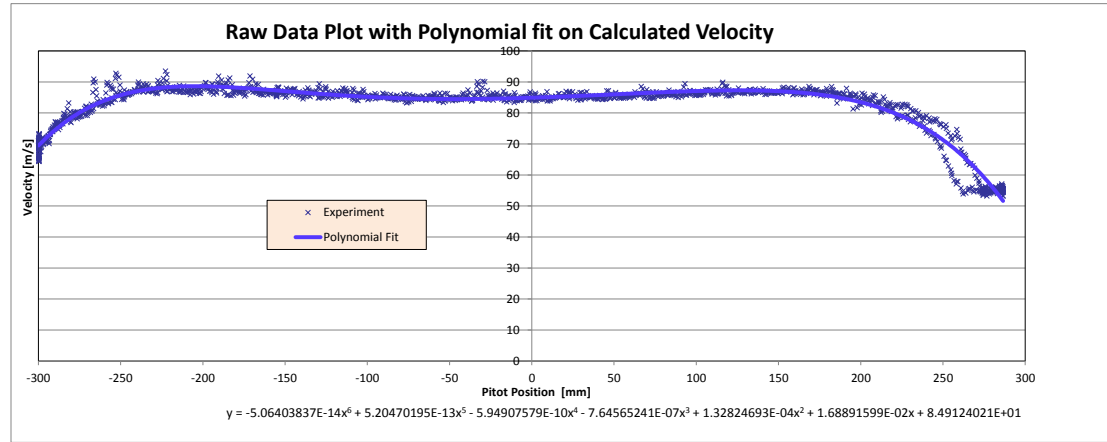
Sampling Rate	1000	[Hz]
No of samples recorded	100	Samples
Averaged samples sampling	10	[Hz]
Pitot Traverse speed	7	[mm/s]
Distance Travelled every 0.1	0.7	[mm]

Averaged Pitot dp 13.45284111 Average Vel 80.3250244 [m/s]

Raw Data from CSV File

Date and time	Pitot Position from rig centre [mm]	TC11 - Pitot [deg C]	Pitot dP [mBar]	O2 %
05.03.2016 15:27:24.3	-299.67	432.3	8.6134	19.15
05.03.2016 15:27:24.4	-299.67	432.2	8.5416	19.15
05.03.2016 15:27:24.5	-299.64	431.3	8.9162	19.15
05.03.2016 15:27:24.6	-299.67	431.5	9.7447	19.15
05.03.2016 15:27:24.7	-299.66	432.4	9.753	19.15
05.03.2016 15:27:24.8	-299.64	432	9.6401	19.15
05.03.2016 15:27:24.9	-299.66	431.5	9.051	19.14
05.03.2016 15:27:25.0	-299.66	432.5	8.7829	19.14
05.03.2016 15:27:25.1	-299.66	433.2	9.0582	19.14
05.03.2016 15:27:25.2	-299.66	432.4	8.9011	19.14
05.03.2016 15:27:25.3	-299.68	432.1	8.749	19.14
05.03.2016 15:27:25.4	-299.65	433.4	8.585	19.14
05.03.2016 15:27:25.5	-299.65	433.9	8.4832	19.14
05.03.2016 15:27:25.6	-299.66	432.7	8.5091	19.14
05.03.2016 15:27:25.7	-299.68	432.4	8.8201	19.13
05.03.2016 15:27:25.8	-299.63	433.5	8.7055	19.13
05.03.2016 15:27:25.9	-299.66	433.8	8.9094	19.13
05.03.2016 15:27:26.0	-299.66	433	9.0041	19.13
05.03.2016 15:27:26.1	-299.65	433.3	8.8743	19.13
05.03.2016 15:27:26.2	-299.65	434.6	9.0375	19.13
05.03.2016 15:27:26.3	-299.67	434.8	9.0914	19.13
05.03.2016 15:27:26.4	-299.59	434.4	9.4299	19.13
05.03.2016 15:27:26.5	-299.49	434.9	9.6889	19.13
05.03.2016 15:27:26.6	-299.46	436	9.8545	19.13
05.03.2016 15:27:26.7	-299.46	435.7	9.7072	19.13
05.03.2016 15:27:26.8	-299.08	435.4	9.3513	19.13
05.03.2016 15:27:26.9	-298.57	436.5	9.3477	19.13
05.03.2016 15:27:27.0	-298.4	437.5	9.7178	19.12
05.03.2016 15:27:27.1	-298.25	436.9	10.4014	19.12
05.03.2016 15:27:27.2	-297.57	436.9	10.6429	19.12
05.03.2016 15:27:27.3	-297.12	438.6	10.3022	19.12
05.03.2016 15:27:27.4	-296.99	439.5	9.9889	19.12
05.03.2016 15:27:27.5	-296.83	438.7	10.0872	19.12
05.03.2016 15:27:27.6	-296.03	438.8	10.2442	19.12
05.03.2016 15:27:27.7	-295.58	440.6	10.2564	19.12
05.03.2016 15:27:27.8	-295.44	441.5	10.5471	19.12
05.03.2016 15:27:27.9	-295.02	441	10.6568	19.12
05.03.2016 15:27:28.0	-294.21	441.4	10.7317	19.12
05.03.2016 15:27:28.1	-293.94	443.2	10.7827	19.12
05.03.2016 15:27:28.2	-293.85	443.7	10.8303	19.12
05.03.2016 15:27:28.3	-293.2	443.6	10.9423	19.12
05.03.2016 15:27:28.4	-292.7	444.4	10.9405	19.12
05.03.2016 15:27:28.5	-292.56	445.8	11.2023	19.12
05.03.2016 15:27:28.6	-292.47	446.1	11.3449	19.12
05.03.2016 15:27:28.7	-291.76	446.1	11.3827	19.12
05.03.2016 15:27:28.8	-291.32	447.4	11.2089	19.12
05.03.2016 15:27:28.9	-291.19	448.5	11.2986	19.12
05.03.2016 15:27:29.0	-290.83	448.2	11.5884	19.12
05.03.2016 15:27:29.1	-290	448.3	11.6536	19.12
05.03.2016 15:27:29.2	-289.74	450.3	12.1772	19.12
05.03.2016 15:27:29.3	-289.49	451.6	12.1656	19.12
05.03.2016 15:27:29.4	-288.61	451.2	11.9294	19.12
05.03.2016 15:27:29.5	-288.19	451.7	12.1362	19.12
05.03.2016 15:27:29.6	-288.06	453.5	11.8059	19.12
05.03.2016 15:27:29.7	-287.8	454.6	11.4093	19.12
05.03.2016 15:27:29.8	-286.87	454.4	11.6347	19.12

Calculated Velocity [m/s]
64.8202016
64.5494705
65.9497222
68.9457192
68.975075
68.5746878
66.446384
65.4548811
66.4728076
65.893854
65.3284385
64.7132512
64.3284256
64.4265511
65.5933518
65.1658297
65.9245689
66.2740062
65.7945805
66.3968116
66.5945138
67.8229402
68.7480377
69.3330597
68.8129313
67.5396902
67.5266885
68.850492
71.230988
72.0531647
70.890503
69.8042559
70.1468842
70.6906693
70.7327502
71.7281453
72.1002013
72.3531313
72.5248486
72.684752
73.0596148
73.0536054
73.9225039
74.3915154
74.5153446
73.944277
74.2395595
75.185624
75.3968363
77.0720284
77.0353102
76.283809
76.9421702
75.8879148
74.6023605
75.3356716



05.03.2016 15:27:29.9	-286.48	455.2	11.9799	19.12	76.4451023
05.03.2016 15:27:30.0	-286.33	457.2	12.1233	19.12	76.9012671
05.03.2016 15:27:30.1	-285.68	458.2	12.2914	19.12	77.4325828
05.03.2016 15:27:30.2	-284.84	458.4	12.5311	19.12	78.1839607
05.03.2016 15:27:30.3	-284.53	459.8	13.0579	19.12	79.8104462
05.03.2016 15:27:30.4	-283.89	461.8	12.9908	19.12	79.605123
05.03.2016 15:27:30.5	-282.34	462.2	12.5688	19.12	78.3014812
05.03.2016 15:27:30.6	-281.74	462.5	12.4929	19.11	78.0647011
05.03.2016 15:27:30.7	-281.51	464.1	12.779	19.11	78.9535214
05.03.2016 15:27:30.8	-280.22	465.6	12.7985	19.11	79.0137376
05.03.2016 15:27:30.9	-278.95	465.4	12.6483	19.11	78.5487265
05.03.2016 15:27:31.0	-278.59	465.5	12.661	19.11	78.5881515
05.03.2016 15:27:31.1	-278.42	467.4	13.1988	19.11	80.2398842
05.03.2016 15:27:31.2	-277.3	468.8	13.2121	19.11	80.2803016
05.03.2016 15:27:31.3	-276.32	468.5	13.2352	19.11	80.3504519
05.03.2016 15:27:31.4	-276.03	469	13.0218	19.11	79.7000474
05.03.2016 15:27:31.5	-275.12	471	12.7271	19.1	78.7930293
05.03.2016 15:27:31.6	-273.76	472.1	12.7656	19.1	78.9121154
05.03.2016 15:27:31.7	-273.32	472	13.2134	19.1	80.2842511
05.03.2016 15:27:31.8	-273.1	472.7	13.2785	19.1	80.481781
05.03.2016 15:27:31.9	-271.91	474.8	13.6035	19.1	81.4607492
05.03.2016 15:27:32.0	-271.17	475.8	13.7629	19.1	81.9366204
05.03.2016 15:27:32.1	-270.97	476	13.8506	19.1	82.1972642
05.03.2016 15:27:32.2	-270.46	477	13.7236	19.1	81.8195516
05.03.2016 15:27:32.3	-269.33	478.5	13.5156	19.09	81.1971404
05.03.2016 15:27:32.4	-268.95	478.8	13.4677	19.09	81.0531292
05.03.2016 15:27:32.5	-268.78	478.8	13.508	19.09	81.1743081
05.03.2016 15:27:32.6	-267.8	480.2	14.0481	19.09	82.781228
05.03.2016 15:27:32.7	-266.92	481.8	15.3688	19.09	86.5850773
05.03.2016 15:27:32.8	-266.7	481.7	16.4871	19.09	89.6799186
05.03.2016 15:27:32.9	-266.34	481.9	16.9419	19.09	90.9084235
05.03.2016 15:27:33.0	-265.42	483.7	16.5998	19.08	89.9859068
05.03.2016 15:27:33.1	-264.99	485.1	15.7026	19.08	87.5203112
05.03.2016 15:27:33.2	-264.62	484.7	14.9769	19.08	85.4740012
05.03.2016 15:27:33.3	-264.07	484.9	14.3779	19.08	83.747297
05.03.2016 15:27:33.4	-262.76	486.6	13.9753	19.08	82.5664551
05.03.2016 15:27:33.5	-262.22	487.6	14.2947	19.08	83.5046369
05.03.2016 15:27:33.6	-262.01	487	14.0726	19.08	82.8533821
05.03.2016 15:27:33.7	-261.02	487.3	13.8474	19.08	82.1877684
05.03.2016 15:27:33.8	-259.98	488.9	13.901	19.08	82.3466794
05.03.2016 15:27:33.9	-259.63	489.6	14.1166	19.08	82.9828075
05.03.2016 15:27:34.0	-259.33	489.4	14.3407	19.09	83.638887
05.03.2016 15:27:34.1	-258.19	490	14.5987	19.09	84.3878965
05.03.2016 15:27:34.2	-257.56	491.3	14.2095	19.09	83.2554107
05.03.2016 15:27:34.3	-257.38	491.4	14.0981	19.09	82.9284146
05.03.2016 15:27:34.4	-256.75	491.2	14.3707	19.09	83.7263254
05.03.2016 15:27:34.5	-255.7	492.2	14.2845	19.09	83.4748392
05.03.2016 15:27:34.6	-255.31	493.2	14.2507	19.09	83.3760216
05.03.2016 15:27:34.7	-255.25	492.8	14.7447	19.09	84.8088237
05.03.2016 15:27:34.8	-254.39	492.6	14.6041	19.09	84.4035024
05.03.2016 15:27:34.9	-253.25	494.3	14.562	19.09	84.2817574
05.03.2016 15:27:35.0	-252.89	495.4	15.0014	19.09	85.543884
05.03.2016 15:27:35.1	-252.8	494.9	15.3496	19.09	86.5309757
05.03.2016 15:27:35.2	-251.79	494.9	15.1211	19.09	85.8844942
05.03.2016 15:27:35.3	-250.74	496.5	15.037	19.09	85.6453265
05.03.2016 15:27:35.4	-250.43	497.3	15.5329	19.09	87.046105
05.03.2016 15:27:35.5	-249.82	496.6	15.1	19.09	85.8245516
05.03.2016 15:27:35.6	-248.67	496.9	14.701	19.09	84.6830533
05.03.2016 15:27:35.7	-248.29	498.3	14.7522	19.09	84.8303903
05.03.2016 15:27:35.8	-248.18	498.9	15.2062	19.09	86.1258297
05.03.2016 15:27:35.9	-247.76	498.3	15.6471	19.09	87.3655064
05.03.2016 15:27:36.0	-246.26	498.8	15.4785	19.09	86.8935429
05.03.2016 15:27:36.1	-245.67	500.1	15.127	19.09	85.9012479
05.03.2016 15:27:36.2	-245.36	500.3	15.0895	19.09	85.7947068
05.03.2016 15:27:36.3	-243.94	500	15.3709	19.09	86.5909926
05.03.2016 15:27:36.4	-242.97	501	15.4014	19.09	86.6768599
05.03.2016 15:27:36.5	-242.64	502.1	15.4451	19.09	86.7997415
05.03.2016 15:27:36.6	-241.23	501.7	15.625	19.09	87.303787

05.03.2016 15:27:36.7	-239.66	501.5	16.2255	19.09	88.9656004
05.03.2016 15:27:36.8	-239.12	502.8	16.5827	19.09	89.9395461
05.03.2016 15:27:36.9	-238.74	503.8	16.3101	19.09	89.1972328
05.03.2016 15:27:37.0	-237.22	502.9	15.9605	19.09	88.2361023
05.03.2016 15:27:37.1	-236.37	502.8	15.473	19.1	86.8781036
05.03.2016 15:27:37.2	-236.11	504.2	15.4256	19.1	86.7449303
05.03.2016 15:27:37.3	-235.78	505	15.8601	19.1	87.9581386
05.03.2016 15:27:37.4	-234.28	504.2	16.3132	19.1	89.2057091
05.03.2016 15:27:37.5	-233.53	504.1	16.0418	19.1	88.4605465
05.03.2016 15:27:37.6	-233.32	505.6	15.5506	19.1	87.0956861
05.03.2016 15:27:37.7	-232.34	506.2	15.6742	19.1	87.44113
05.03.2016 15:27:37.8	-230.84	505.6	15.5464	19.1	87.0839236
05.03.2016 15:27:37.9	-230.36	506.1	15.5503	19.1	87.094846
05.03.2016 15:27:38.0	-230.09	507.3	15.4782	19.1	86.8927009
05.03.2016 15:27:38.1	-228.68	507.4	15.3049	19.1	86.4048892
05.03.2016 15:27:38.2	-227.76	507	15.2307	19.1	86.1951841
05.03.2016 15:27:38.3	-227.53	507.8	15.3699	19.1	86.5881758
05.03.2016 15:27:38.4	-226.88	508.8	15.9486	19.1	88.2032022
05.03.2016 15:27:38.5	-225.42	508.4	16.0034	19.1	88.354607
05.03.2016 15:27:38.6	-224.92	508.2	15.7869	19.1	87.7549248
05.03.2016 15:27:38.7	-224.75	509.4	15.6874	19.1	87.4779415
05.03.2016 15:27:38.8	-223.91	510.3	15.8467	19.1	87.9209734
05.03.2016 15:27:38.9	-222.35	509.4	15.6489	19.1	87.3705314
05.03.2016 15:27:39.0	-221.82	509.1	15.4683	19.1	86.8649077
05.03.2016 15:27:39.1	-221.53	510.6	15.5138	19.11	86.9925705
05.03.2016 15:27:39.2	-219.85	511.2	15.9386	19.11	88.1755455
05.03.2016 15:27:39.3	-218.6	510.2	15.8009	19.11	87.7938272
05.03.2016 15:27:39.4	-218.22	510.1	15.7859	19.11	87.7521454
05.03.2016 15:27:39.5	-217.58	511.5	15.7518	19.11	87.657315
05.03.2016 15:27:39.6	-215.89	511.9	16.0204	19.11	88.401523
05.03.2016 15:27:39.7	-215.17	511.1	15.8465	19.11	87.9204186
05.03.2016 15:27:39.8	-214.93	511.4	15.9337	19.12	88.1619906
05.03.2016 15:27:39.9	-214.26	512.5	16.1924	19.12	88.8748092
05.03.2016 15:27:40.0	-212.6	512.5	15.8033	19.12	87.8004945
05.03.2016 15:27:40.1	-211.94	512	15.7619	19.12	87.6854133
05.03.2016 15:27:40.2	-211.71	512.7	16.1251	19.12	88.689923
05.03.2016 15:27:40.3	-210.13	513.7	15.8096	19.12	87.8179936
05.03.2016 15:27:40.4	-208.67	513.3	15.5852	19.12	87.192526
05.03.2016 15:27:40.5	-208.22	512.9	15.4613	19.12	86.8452507
05.03.2016 15:27:40.6	-207.69	513.9	15.1177	19.12	85.874838
05.03.2016 15:27:40.7	-205.69	514.7	15.201	19.12	86.1111024
05.03.2016 15:27:40.8	-204.77	513.9	15.5573	19.12	87.1144467
05.03.2016 15:27:40.9	-204.52	513.8	15.4902	19.12	86.9263776
05.03.2016 15:27:41.0	-203.95	515.3	15.3337	19.12	86.4861472
05.03.2016 15:27:41.1	-202.2	515.9	15.277	19.12	86.3260976
05.03.2016 15:27:41.2	-201.51	514.9	15.2585	19.12	86.2738125
05.03.2016 15:27:41.3	-201.11	514.7	15.4811	19.12	86.9008406
05.03.2016 15:27:41.4	-199.43	516	16.067	19.12	88.5300004
05.03.2016 15:27:41.5	-198.44	516.4	16.5236	19.12	89.7791328
05.03.2016 15:27:41.6	-198.18	515.5	16.5025	19.12	89.7217922
05.03.2016 15:27:41.7	-197.75	515.5	15.8027	19.13	87.7988277
05.03.2016 15:27:41.8	-195.85	516.4	15.5131	19.13	86.9906078
05.03.2016 15:27:41.9	-194.86	516.3	15.5234	19.13	87.019482
05.03.2016 15:27:42.0	-194.53	515.6	15.3452	19.13	86.5185727
05.03.2016 15:27:42.1	-193.46	516	15.1754	19.13	86.038562
05.03.2016 15:27:42.2	-191.68	516.8	15.3256	19.13	86.4633011
05.03.2016 15:27:42.3	-191.04	516.2	16.5959	19.13	89.9753354
05.03.2016 15:27:42.4	-190.4	515.6	17.2872	19.13	91.830172
05.03.2016 15:27:42.5	-188.65	516.5	16.8206	19.13	90.5823975
05.03.2016 15:27:42.6	-187.9	517.3	16.2098	19.12	88.9225478
05.03.2016 15:27:42.7	-187.64	516.4	15.727	19.12	87.588283
05.03.2016 15:27:42.8	-187.02	516.2	15.2452	19.12	86.2362043
05.03.2016 15:27:42.9	-185.36	517.6	15.0575	19.12	85.7036869
05.03.2016 15:27:43.0	-184.66	518.3	15.0919	19.11	85.8015294
05.03.2016 15:27:43.1	-184.4	517.4	15.1015	19.11	85.8288143
05.03.2016 15:27:43.2	-182.92	517.2	15.0165	19.11	85.5869263
05.03.2016 15:27:43.3	-181.38	518.5	15.0625	19.11	85.7179151
05.03.2016 15:27:43.4	-180.91	518.8	15.333	19.1	86.4841731

05.03.2016 15:27:43.5	-179.99	517.9	15.5695	19.1	87.1485975
05.03.2016 15:27:43.6	-178.35	517.9	15.8091	19.1	87.8166049
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05.03.2016 15:28:05.0	4.2	526.1	14.7686	19.1	84.8775301
05.03.2016 15:28:05.1	5.88	525.5	14.778	19.1	84.9045375
05.03.2016 15:28:05.2	6.53	524.8	14.9711	19.1	85.4574491
05.03.2016 15:28:05.3	6.78	525.8	14.9563	19.1	85.4151983
05.03.2016 15:28:05.4	8.21	526.3	14.6854	19.1	84.6381105
05.03.2016 15:28:05.5	9.46	525.2	14.412	19.1	83.8465497
05.03.2016 15:28:05.6	9.85	524.7	14.4545	19.1	83.9700876
05.03.2016 15:28:05.7	10.36	526	14.8719	19.1	85.1738538
05.03.2016 15:28:05.8	12.12	526.1	14.8678	19.1	85.1621123
05.03.2016 15:28:05.9	12.9	524.6	14.7199	19.1	84.7374712
05.03.2016 15:28:06.0	13.15	524.4	14.7926	19.1	84.9464681
05.03.2016 15:28:06.1	14.47	525.7	14.956	19.1	85.4143416
05.03.2016 15:28:06.2	16.16	525.8	15.2059	19.1	86.1249801
05.03.2016 15:28:06.3	16.65	524.6	15.2372	19.1	86.2135748
05.03.2016 15:28:06.4	17.46	524.7	14.8162	19.1	85.0142025
05.03.2016 15:28:06.5	19.21	525.8	14.7884	19.1	84.934408
05.03.2016 15:28:06.6	19.87	525.6	14.8767	19.1	85.1875979
05.03.2016 15:28:06.7	20.05	524.7	15.1929	19.09	86.0881567
05.03.2016 15:28:06.8	20.91	525	15.4889	19.09	86.9227299
05.03.2016 15:28:06.9	22.37	525.7	15.3189	19.09	86.4443992
05.03.2016 15:28:07.0	22.94	525.2	15.4738	19.09	86.8803495
05.03.2016 15:28:07.1	23.26	524.6	15.2484	19.09	86.2452544
05.03.2016 15:28:07.2	25.07	525.4	15.0047	19.09	85.5532925
05.03.2016 15:28:07.3	26.44	525.8	14.8521	19.09	85.1171359
05.03.2016 15:28:07.4	26.89	524.7	14.6809	19.09	84.6251419
05.03.2016 15:28:07.5	28.07	524.2	14.5099	19.09	84.1308505
05.03.2016 15:28:07.6	29.61	525.5	14.5614	19.09	84.2800211
05.03.2016 15:28:07.7	30.07	525.8	14.5557	19.09	84.2635239
05.03.2016 15:28:07.8	30.27	524.4	14.6941	19.09	84.6631777
05.03.2016 15:28:07.9	31.5	524.1	15.0237	19.09	85.6074421
05.03.2016 15:28:08.0	32.89	525.3	14.7674	19.09	84.8740818
05.03.2016 15:28:08.1	33.35	525.5	14.8434	19.09	85.0922025
05.03.2016 15:28:08.2	33.79	524.1	14.912	19.09	85.2886062
05.03.2016 15:28:08.3	35.74	523.9	14.9662	19.09	85.443463
05.03.2016 15:28:08.4	36.76	524.8	15.012	19.09	85.5741014
05.03.2016 15:28:08.5	37.16	524.6	14.9017	19.09	85.2591459
05.03.2016 15:28:08.6	38.67	523.6	14.7994	19.09	84.9659903
05.03.2016 15:28:08.7	39.9	523.9	14.6502	19.09	84.5366135
05.03.2016 15:28:08.8	40.3	524.7	14.6132	19.1	84.4297948
05.03.2016 15:28:08.9	41.38	524.2	14.7142	19.1	84.7210631
05.03.2016 15:28:09.0	42.93	523.5	14.5786	19.1	84.3297824
05.03.2016 15:28:09.1	43.47	524.3	14.6921	19.1	84.6574158
05.03.2016 15:28:09.2	43.79	525	14.7437	19.1	84.8059478
05.03.2016 15:28:09.3	45.53	524.1	15.5511	19.1	87.0970863
05.03.2016 15:28:09.4	46.62	523.6	15.5774	19.11	87.1707044
05.03.2016 15:28:09.5	46.94	524.8	14.9857	19.11	85.4991085
05.03.2016 15:28:09.6	48.18	525.3	15.1463	19.11	85.9560296
05.03.2016 15:28:09.7	49.52	523.9	14.9938	19.11	85.5222122
05.03.2016 15:28:09.8	49.94	523.6	14.786	19.12	84.9275157
05.03.2016 15:28:09.9	50.38	524.9	14.7332	19.12	84.7757443
05.03.2016 15:28:10.0	52.06	525.2	14.8832	19.12	85.2062061
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05.03.2016 15:28:10.2	53.25	523.9	14.7847	19.13	84.9237822
05.03.2016 15:28:10.3	54.23	525.1	14.707	19.13	84.7003326
05.03.2016 15:28:10.4	55.82	525	14.7127	19.13	84.7167447
05.03.2016 15:28:10.5	56.35	524	14.905	19.13	85.2685857
05.03.2016 15:28:10.6	56.62	524.2	15.0032	19.13	85.549016

05.03.2016 15:28:10.7	58.24	525	15.0432	19.13	85.6629812
05.03.2016 15:28:10.8	59.36	524.6	14.9548	19.13	85.4109149
05.03.2016 15:28:10.9	59.67	523.7	15.0196	19.13	85.5957601
05.03.2016 15:28:11.0	60.36	524.1	15.0919	19.13	85.8015294
05.03.2016 15:28:11.1	62.09	524.6	15.1478	19.13	85.9602858
05.03.2016 15:28:11.2	62.77	523.6	15.4513	19.13	86.8171614
05.03.2016 15:28:11.3	62.99	523.1	15.1432	19.13	85.9472328
05.03.2016 15:28:11.4	64.55	524.2	15.2291	19.13	86.1906565
05.03.2016 15:28:11.5	66.06	524.7	15.272	19.13	86.3119696
05.03.2016 15:28:11.6	66.51	523.5	16.0634	19.12	88.5200818
05.03.2016 15:28:11.7	67.52	523.1	15.7822	19.12	87.7418609
05.03.2016 15:28:11.8	69.13	524.5	15.3426	19.12	86.5112427
05.03.2016 15:28:11.9	69.7	524.7	15.2965	19.12	86.3811746
05.03.2016 15:28:12.0	69.88	523.3	15.701	19.12	87.5158522
05.03.2016 15:28:12.1	70.96	523.2	15.4285	19.12	86.7530839
05.03.2016 15:28:12.2	72.47	524.4	15.2452	19.11	86.2362043
05.03.2016 15:28:12.3	72.97	524.2	15.196	19.11	86.0969391
05.03.2016 15:28:12.4	73.77	523.2	15.4297	19.11	86.7564576
05.03.2016 15:28:12.5	75.73	523.2	15.4521	19.11	86.8194089
05.03.2016 15:28:12.6	76.51	524.1	15.1443	19.1	85.9503544
05.03.2016 15:28:12.7	76.84	523.6	15.2005	19.1	86.1096861
05.03.2016 15:28:12.8	78.23	522.8	15.0779	19.1	85.7617232
05.03.2016 15:28:12.9	79.53	523.5	15.2437	19.1	86.2319617
05.03.2016 15:28:13.0	79.93	524.1	15.3494	19.1	86.530412
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05.03.2016 15:28:13.2	82.49	522.9	15.0487	19.1	85.6786395
05.03.2016 15:28:13.3	83.07	524	15.0911	19.1	85.7992552
05.03.2016 15:28:13.4	83.38	524.4	15.6339	19.1	87.3286476
05.03.2016 15:28:13.5	84.86	522.9	15.4154	19.09	86.716246
05.03.2016 15:28:13.6	86.03	522.6	15.1922	19.09	86.0861735
05.03.2016 15:28:13.7	86.43	524	15.0071	19.09	85.5601343
05.03.2016 15:28:13.8	87.6	524.2	14.8879	19.09	85.2196588
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05.03.2016 15:28:14.1	89.95	524	15.3163	19.09	86.437063
05.03.2016 15:28:14.2	91.63	523.8	15.1984	19.09	86.1037378
05.03.2016 15:28:14.3	92.64	522.7	15.3811	19.09	86.6197184
05.03.2016 15:28:14.4	92.95	522.8	15.2237	19.09	86.1753742
05.03.2016 15:28:14.5	93.76	523.7	15.0672	19.09	85.7312875
05.03.2016 15:28:14.6	95.41	523.1	15.1983	19.09	86.1034545
05.03.2016 15:28:14.7	96.04	522.3	15.3502	19.09	86.5326669
05.03.2016 15:28:14.8	96.56	522.8	15.206	19.09	86.1252633
05.03.2016 15:28:14.9	98.27	523.5	15.5164	19.09	86.9998598
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05.03.2016 15:28:15.2	99.91	523.3	15.0381	19.09	85.648459
05.03.2016 15:28:15.3	101.64	523.7	15.0615	19.09	85.7150697
05.03.2016 15:28:15.4	102.4	522.4	15.0685	19.09	85.7349859
05.03.2016 15:28:15.5	102.63	522	15.2543	19.09	86.261938
05.03.2016 15:28:15.6	104.02	523.4	15.5118	19.09	86.9869629
05.03.2016 15:28:15.7	105.68	523.5	15.6833	19.09	87.4665093
05.03.2016 15:28:15.8	106.2	522	15.6018	19.09	87.2389486
05.03.2016 15:28:15.9	107.03	521.8	15.4172	19.09	86.7213086
05.03.2016 15:28:16.0	108.67	522.9	15.7025	19.09	87.5200326
05.03.2016 15:28:16.1	109.3	522.7	15.3316	19.09	86.4802247
05.03.2016 15:28:16.2	109.85	521.4	15.2538	19.09	86.2605243
05.03.2016 15:28:16.3	111.62	521.8	15.0878	19.09	85.7898738
05.03.2016 15:28:16.4	112.49	522.7	15.2408	19.1	86.2237588
05.03.2016 15:28:16.5	112.74	522.3	15.7596	19.1	87.6790155
05.03.2016 15:28:16.6	113.79	521.6	15.5208	19.1	87.0121943
05.03.2016 15:28:16.7	115.39	522.2	15.8067	19.1	87.8099389
05.03.2016 15:28:16.8	115.87	522.9	16.426	19.1	89.5135907
05.03.2016 15:28:16.9	116.16	522.1	16.5638	19.09	89.8882775
05.03.2016 15:28:17.0	117.6	521.6	16.1008	19.09	88.6230714
05.03.2016 15:28:17.1	118.22	522.5	15.9592	19.09	88.2325088
05.03.2016 15:28:17.2	118.6	522.9	16.0742	19.09	88.5498344
05.03.2016 15:28:17.3	119.74	521.4	15.6739	19.09	87.4402932
05.03.2016 15:28:17.4	121.58	520.9	15.2682	19.09	86.3012308

05.03.2016 15:28:17.5	122.26	522.3	15.297	19.09	86.3825863
05.03.2016 15:28:17.6	122.55	522.4	15.4662	19.09	86.8590111
05.03.2016 15:28:17.7	123.93	520.9	15.5381	19.09	87.0606741
05.03.2016 15:28:17.8	125.23	520.7	15.474	19.09	86.8809109
05.03.2016 15:28:17.9	125.64	521.8	15.8702	19.09	87.9861408
05.03.2016 15:28:18.0	126.2	521.6	15.4922	19.1	86.9319891
05.03.2016 15:28:18.1	128.15	520.4	15.3009	19.1	86.3935973
05.03.2016 15:28:18.2	129.08	520.7	15.3412	19.1	86.5072956
05.03.2016 15:28:18.3	129.5	521.6	15.2301	19.1	86.1934863
05.03.2016 15:28:18.4	131.24	521.1	15.4337	19.1	86.7677022
05.03.2016 15:28:18.5	132.36	520.4	15.7003	19.1	87.5139013
05.03.2016 15:28:18.6	132.63	521.1	15.6524	19.1	87.3803014
05.03.2016 15:28:18.7	132.86	521.6	15.6779	19.1	87.4514499
05.03.2016 15:28:18.8	134.48	520.6	15.3709	19.09	86.5909926
05.03.2016 15:28:18.9	135.52	520	15.3379	19.09	86.4979971
05.03.2016 15:28:19.0	135.82	521	15.7708	19.09	87.7101657
05.03.2016 15:28:19.1	136.71	521.3	15.5576	19.09	87.1152867
05.03.2016 15:28:19.2	138.64	520.1	15.4435	19.09	86.7952455
05.03.2016 15:28:19.3	139.34	519.7	15.5682	19.09	87.1449591
05.03.2016 15:28:19.4	139.86	521	15.5743	19.08	87.1620302
05.03.2016 15:28:19.5	141.64	521.2	15.4219	19.08	86.7345263
05.03.2016 15:28:19.6	142.51	519.8	15.1437	19.08	85.9486517
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05.03.2016 15:28:19.8	144.53	520.9	15.5389	19.09	87.0629153
05.03.2016 15:28:19.9	145.52	520.8	15.4581	19.09	86.8362631
05.03.2016 15:28:20.0	145.78	519.5	15.3465	19.09	86.5222374
05.03.2016 15:28:20.1	146.15	519.4	15.3067	19.09	86.4099701
05.03.2016 15:28:20.2	148.08	520.2	15.3402	19.09	86.5044761
05.03.2016 15:28:20.3	149.24	519.6	15.4405	19.09	86.7868148
05.03.2016 15:28:20.4	149.61	518.7	15.3074	19.09	86.4119459
05.03.2016 15:28:20.5	150.26	519.2	15.5266	19.1	87.0284506
05.03.2016 15:28:20.6	151.72	519.6	15.416	19.1	86.7179336
05.03.2016 15:28:20.7	152.29	518.5	15.2314	19.1	86.1971648
05.03.2016 15:28:20.8	152.84	517.9	15.6352	19.1	87.3322783
05.03.2016 15:28:20.9	154.8	518.9	15.4412	19.1	86.788782
05.03.2016 15:28:21.0	155.78	519.4	15.7353	19.1	87.6113925
05.03.2016 15:28:21.1	156.11	518.1	15.9397	19.1	88.1785882
05.03.2016 15:28:21.2	157.22	517.6	15.6205	19.1	87.2912143
05.03.2016 15:28:21.3	158.78	518.8	15.1096	19.1	85.8518292
05.03.2016 15:28:21.4	159.27	518.9	15.1984	19.1	86.1037378
05.03.2016 15:28:21.5	159.57	517.4	15.3009	19.1	86.3935973
05.03.2016 15:28:21.6	161.16	517.1	15.3939	19.11	86.6557529
05.03.2016 15:28:21.7	162.25	518.2	15.3127	19.11	86.4269041
05.03.2016 15:28:21.8	162.59	517.9	15.295	19.11	86.3769391
05.03.2016 15:28:21.9	163.3	516.6	15.1624	19.11	86.0017016
05.03.2016 15:28:22.0	164.99	516.7	15.0948	19.11	85.8097726
05.03.2016 15:28:22.1	165.67	517.6	15.1317	19.12	85.9145917
05.03.2016 15:28:22.2	165.92	517.2	15.4131	19.12	86.7097766
05.03.2016 15:28:22.3	167.27	516.4	15.727	19.12	87.588283
05.03.2016 15:28:22.4	168.57	517	16.0678	19.12	88.5322044
05.03.2016 15:28:22.5	169	517.7	15.8686	19.12	87.9817054
05.03.2016 15:28:22.6	169.5	516.5	15.2694	19.12	86.3046222
05.03.2016 15:28:22.7	171.48	515.9	15.1104	19.12	85.854102
05.03.2016 15:28:22.8	172.41	516.9	15.5838	19.13	87.1886097
05.03.2016 15:28:22.9	172.82	517.2	15.6825	19.13	87.4642784
05.03.2016 15:28:23.0	174.39	515.7	15.2614	19.13	86.2820107
05.03.2016 15:28:23.1	175.57	515.1	14.9876	19.13	85.5045285
05.03.2016 15:28:23.2	175.93	516.3	15.0731	19.13	85.7480712
05.03.2016 15:28:23.3	176.04	516.3	15.3642	19.13	86.5721185
05.03.2016 15:28:23.4	177.14	514.6	15.2812	19.13	86.3379633
05.03.2016 15:28:23.5	178.59	514.3	15.3592	19.13	86.5580307
05.03.2016 15:28:23.6	179.12	515.1	14.9365	19.13	85.3586408
05.03.2016 15:28:23.7	180.71	514.9	15.4847	19.12	86.910944
05.03.2016 15:28:23.8	182.31	513.5	16.0405	19.12	88.4569621
05.03.2016 15:28:23.9	182.76	513.3	15.7098	19.12	87.540374
05.03.2016 15:28:24.0	183.22	514.2	15.58	19.12	87.1779789
05.03.2016 15:28:24.1	184.79	513.4	15.0992	19.12	85.8222781
05.03.2016 15:28:24.2	185.57	512.4	14.1773	19.12	83.1610251

05.03.2016 15:28:24.3	185.83	512.8	14.7546	19.11	84.8372905
05.03.2016 15:28:24.4	187.03	513.3	15.2155	19.11	86.1521626
05.03.2016 15:28:24.5	188.65	512.3	14.786	19.11	84.9275157
05.03.2016 15:28:24.6	189.16	511.7	14.783	19.11	84.9188996
05.03.2016 15:28:24.7	189.51	512.5	14.6395	19.11	84.5057366
05.03.2016 15:28:24.8	191.38	512.8	14.8186	19.11	85.0210878
05.03.2016 15:28:24.9	192.58	511.3	14.8212	19.1	85.0285461
05.03.2016 15:28:25.0	192.97	510.9	14.7333	19.11	84.776032
05.03.2016 15:28:25.1	193.63	512	15.2902	19.11	86.3633843
05.03.2016 15:28:25.2	191.36	512.1	15.8452	19.11	87.9168121
05.03.2016 15:28:25.3	193.16	510.1	14.6543	19.11	84.5484419
05.03.2016 15:28:25.4	195.34	509.5	13.5486	19.11	81.2962064
05.03.2016 15:28:25.5	197.86	510.4	13.6774	19.11	81.6817142
05.03.2016 15:28:25.6	199.06	509.9	14.0703	19.11	82.8466111
05.03.2016 15:28:25.7	199.45	508.2	14.211	19.11	83.259805
05.03.2016 15:28:25.8	200.44	508	13.9758	19.11	82.5679321
05.03.2016 15:28:25.9	202	508.6	14.5781	19.11	84.3283362
05.03.2016 15:28:26.0	202.56	507.7	14.8975	19.11	85.24713
05.03.2016 15:28:26.1	203.2	506.5	14.5645	19.11	84.2889918
05.03.2016 15:28:26.2	204.94	506.5	14.0841	19.11	82.8872287
05.03.2016 15:28:26.3	205.69	506.7	14.254	19.11	83.3856746
05.03.2016 15:28:26.4	205.98	505.4	14.5982	19.11	84.3864513
05.03.2016 15:28:26.5	207.18	504.5	13.9123	19.11	82.3801421
05.03.2016 15:28:26.6	208.61	505.1	14.1337	19.11	83.0330525
05.03.2016 15:28:26.7	209.1	505.1	14.0333	19.1	82.7376105
05.03.2016 15:28:26.8	209.47	503.5	14.0478	19.1	82.7803441
05.03.2016 15:28:26.9	211.14	502.7	14.0945	19.1	82.9178259
05.03.2016 15:28:27.0	212.12	503.6	13.3498	19.1	80.6975685
05.03.2016 15:28:27.1	212.4	503.3	13.1793	19.1	80.1805889
05.03.2016 15:28:27.2	213.29	501.5	13.2958	19.09	80.5341921
05.03.2016 15:28:27.3	214.93	500.9	13.4948	19.09	81.1346367
05.03.2016 15:28:27.4	215.52	502	13.7261	19.09	81.8270037
05.03.2016 15:28:27.5	215.78	501.6	13.8282	19.09	82.1307702
05.03.2016 15:28:27.6	217.33	499.9	13.3656	19.09	80.7453087
05.03.2016 15:28:27.7	218.49	499.5	13.2582	19.09	80.4202377
05.03.2016 15:28:27.8	218.83	500	13.4239	19.09	80.9212203
05.03.2016 15:28:27.9	219.52	499.3	13.4866	19.09	81.1099825
05.03.2016 15:28:28.0	221.51	498	12.73	19.09	78.8020057
05.03.2016 15:28:28.1	222.32	497.9	12.5033	19.09	78.0971877
05.03.2016 15:28:28.2	222.74	498.3	12.6577	19.09	78.5779091
05.03.2016 15:28:28.3	224.47	497.1	12.7857	19.09	78.9742162
05.03.2016 15:28:28.4	225.48	496.1	12.8458	19.1	79.1596103
05.03.2016 15:28:28.5	225.75	496.5	12.6272	19.1	78.4831814
05.03.2016 15:28:28.6	226.62	496.6	12.6777	19.1	78.6399638
05.03.2016 15:28:28.7	228.29	494.9	12.874	19.1	79.246451
05.03.2016 15:28:28.8	228.85	494	12.8736	19.1	79.2452199
05.03.2016 15:28:28.9	229.04	494.7	12.4298	19.1	77.8673043
05.03.2016 15:28:29.0	230.16	494.3	12.1945	19.1	77.1267566
05.03.2016 15:28:29.1	231.96	492.3	12.3288	19.1	77.5502984
05.03.2016 15:28:29.2	232.52	491.4	12.4104	19.1	77.8065142
05.03.2016 15:28:29.3	233.21	492.2	12.5951	19.11	78.3833606
05.03.2016 15:28:29.4	234.98	491.5	12.03	19.11	76.6047824
05.03.2016 15:28:29.5	235.7	489.5	11.7354	19.11	75.6609897
05.03.2016 15:28:29.6	236.13	489	11.9346	19.11	76.3004331
05.03.2016 15:28:29.7	237.82	489.4	12.3193	19.1	77.5204143
05.03.2016 15:28:29.8	238.82	488.5	11.7794	19.1	75.8026964
05.03.2016 15:28:29.9	239.15	486.8	11.3439	19.1	74.3882367
05.03.2016 15:28:30.0	239.95	486.6	11.0779	19.1	73.5109084
05.03.2016 15:28:30.1	241.6	486.8	11.3544	19.1	74.4226559
05.03.2016 15:28:30.2	242.22	485.3	11.1984	19.1	73.909635
05.03.2016 15:28:30.3	242.76	484.1	10.8343	19.1	72.6981732
05.03.2016 15:28:30.4	244.51	484.3	10.9331	19.1	73.028895
05.03.2016 15:28:30.5	245.35	484.1	10.5969	19.1	71.8972845
05.03.2016 15:28:30.6	245.63	482.2	10.5212	19.1	71.6400215
05.03.2016 15:28:30.7	246.69	481	10.2609	19.1	70.7482655
05.03.2016 15:28:30.8	248.21	481.6	9.7782	19.1	69.0641271
05.03.2016 15:28:30.9	248.74	481.2	9.8652	19.1	69.3706904
05.03.2016 15:28:31.0	249.07	479	9.653	19.1	68.6205544

05.03.2016 15:28:31.1	250.66	477.8	8.937	19.1	66.0266022
05.03.2016 15:28:31.2	251.69	478.3	8.6119	19.1	64.8145572
05.03.2016 15:28:31.3	252.07	477.2	8.5681	19.1	64.6495242
05.03.2016 15:28:31.4	253.38	474.9	8.1056	19.1	62.8804518
05.03.2016 15:28:31.5	254.76	473.9	7.7735	19.1	61.5788212
05.03.2016 15:28:31.6	255.23	473.8	7.5196	19.11	60.5648212
05.03.2016 15:28:31.7	255.45	472.2	7.3275	19.11	59.7862045
05.03.2016 15:28:31.8	256.79	469.9	6.9371	19.11	58.171739
05.03.2016 15:28:31.9	258.1	469.2	6.6836	19.11	57.0989727
05.03.2016 15:28:32.0	258.5	468.9	6.8677	19.11	57.8800273
05.03.2016 15:28:32.1	259.02	466.9	6.8587	19.11	57.8420895
05.03.2016 15:28:32.2	260.99	464.8	6.377	19.11	55.7739339
05.03.2016 15:28:32.3	261.94	464.4	6.1117	19.11	54.6014384
05.03.2016 15:28:32.4	262.33	463.6	5.9446	19.11	53.8498364
05.03.2016 15:28:32.5	263.94	461	6.0199	19.11	54.1898199
05.03.2016 15:28:32.6	265.17	459.2	6.1986	19.11	54.9882471
05.03.2016 15:28:32.7	265.5	459.2	6.3009	19.11	55.4401457
05.03.2016 15:28:32.8	266.11	458	6.3463	19.11	55.6395192
05.03.2016 15:28:32.9	267.82	455.1	6.4366	19.11	56.0339618
05.03.2016 15:28:33.0	268.5	453.7	6.2005	19.11	54.996674
05.03.2016 15:28:33.1	268.74	453.9	6.0977	19.11	54.5388651
05.03.2016 15:28:33.2	270.27	452.7	6.2163	19.11	55.0667001
05.03.2016 15:28:33.3	271.78	450.2	6.1695	19.11	54.8590211
05.03.2016 15:28:33.4	272.22	449.3	6.1867	19.11	54.9354388
05.03.2016 15:28:33.5	272.59	449.2	6.1187	19.11	54.6326982
05.03.2016 15:28:33.6	273.84	447.9	6.0139	19.11	54.1628079
05.03.2016 15:28:33.7	274.43	446.1	6.0758	19.12	54.4408383
05.03.2016 15:28:33.8	274.6	445.7	5.9428	19.12	53.841683
05.03.2016 15:28:33.9	274.69	445.5	6.2297	19.12	55.1260197
05.03.2016 15:28:34.0	274.71	444	6.3601	19.12	55.6999803
05.03.2016 15:28:34.1	274.69	442.5	6.3583	19.12	55.6920978
05.03.2016 15:28:34.2	274.73	442.5	6.3022	19.13	55.4458646
05.03.2016 15:28:34.3	274.74	442.2	6.296	19.13	55.4185845
05.03.2016 15:28:34.4	274.72	440.4	6.2408	19.13	55.1751093
05.03.2016 15:28:34.5	273.05	439.3	6.1089	19.13	54.5889295
05.03.2016 15:28:34.6	273.73	440.2	6.3156	19.13	55.504779
05.03.2016 15:28:34.7	274.23	440	6.1471	19.13	54.7593404
05.03.2016 15:28:34.8	274.22	438.1	6.055	19.14	54.3475716
05.03.2016 15:28:34.9	274.58	437.4	5.9128	19.14	53.7056113
05.03.2016 15:28:35.0	274.69	438.2	6.2042	19.14	55.0130805
05.03.2016 15:28:35.1	274.69	437.6	6.3098	19.14	55.4792864
05.03.2016 15:28:35.2	274.67	436.1	6.2528	19.13	55.22813
05.03.2016 15:28:35.3	274.8	435.9	6.2185	19.13	55.0764436
05.03.2016 15:28:35.4	274.43	436.6	6.0829	19.13	54.472638
05.03.2016 15:28:35.5	273.91	435.8	6.0332	19.13	54.2496488
05.03.2016 15:28:35.6	274.45	434.4	6.0438	19.13	54.2972847
05.03.2016 15:28:35.7	274.66	434.3	6.1118	19.13	54.6018851
05.03.2016 15:28:35.8	274.33	434.6	6.1997	19.13	54.993126
05.03.2016 15:28:35.9	274.49	433.4	6.3207	19.13	55.5271852
05.03.2016 15:28:36.0	275.1	432.3	6.2267	19.13	55.1127448
05.03.2016 15:28:36.1	275.39	432.9	6.2849	19.13	55.3697108
05.03.2016 15:28:36.2	275.5	432.9	6.2036	19.13	55.0104203
05.03.2016 15:28:36.3	275.68	431.5	6.1948	19.12	54.9713895
05.03.2016 15:28:36.4	275.78	430.8	6.4969	19.12	56.2958214
05.03.2016 15:28:36.5	275.84	431.7	6.3673	19.12	55.7314992
05.03.2016 15:28:36.6	275.86	431.5	6.2309	19.12	55.1313288
05.03.2016 15:28:36.7	275.87	429.6	6.3273	19.12	55.556168
05.03.2016 15:28:36.8	275.86	428.7	6.1719	19.12	54.8696904
05.03.2016 15:28:36.9	275.88	429.4	6.1584	19.12	54.8096484
05.03.2016 15:28:37.0	275.99	428.8	6.417	19.12	55.9485827
05.03.2016 15:28:37.1	275.78	426.8	6.333	19.12	55.5811865
05.03.2016 15:28:37.2	276.18	426	6.0898	19.12	54.5035242
05.03.2016 15:28:37.3	276.57	425.9	6.0591	19.12	54.3659686
05.03.2016 15:28:37.4	277.31	424.4	6.0963	19.12	54.5326038
05.03.2016 15:28:37.5	277.8	422.3	6.0573	19.12	54.3578926
05.03.2016 15:28:37.6	277.95	421.5	6.4309	19.12	56.0091456
05.03.2016 15:28:37.7	278.28	421.1	6.3168	19.12	55.5100518
05.03.2016 15:28:37.8	279.05	419.3	6.081	19.11	54.4641301

05.03.2016 15:28:37.9	279.36	417.5	6.1774	19.11	54.8941331
05.03.2016 15:28:38.0	279.46	417.2	6.1312	19.11	54.6884747
05.03.2016 15:28:38.1	280.05	416.6	6.1122	19.11	54.6036718
05.03.2016 15:28:38.2	280.63	414.5	6.1913	19.11	54.9558581
05.03.2016 15:28:38.3	280.79	412.9	6.1711	19.11	54.8661342
05.03.2016 15:28:38.4	281.02	413.4	6.2986	19.11	55.4300262
05.03.2016 15:28:38.5	281.93	412.6	6.4097	19.11	55.91675
05.03.2016 15:28:38.6	282.4	410.1	6.3074	19.11	55.4687343
05.03.2016 15:28:38.7	282.56	408.8	6.307	19.11	55.4669755
05.03.2016 15:28:38.8	283.28	409.3	6.2578	19.11	55.2502069
05.03.2016 15:28:38.9	283.8	408.4	6.2544	19.11	55.2351956
05.03.2016 15:28:39.0	283.75	406.3	6.0279	19.11	54.2258151
05.03.2016 15:28:39.1	283.22	405.5	6.2572	19.11	55.2475582
05.03.2016 15:28:39.2	283.9	405.8	6.3062	19.11	55.4634575
05.03.2016 15:28:39.3	284.76	404.7	6.4683	19.12	56.1717749
05.03.2016 15:28:39.4	285.04	403.1	6.1414	19.12	54.7339463
05.03.2016 15:28:39.5	285.27	402.9	6.2703	19.12	55.3053607
05.03.2016 15:28:39.6	285.45	402.9	6.5128	19.12	56.3646663
05.03.2016 15:28:39.7	285.47	401.8	6.2164	19.12	55.0671431
05.03.2016 15:28:39.8	285.5	400.6	5.9907	19.12	54.0582342
05.03.2016 15:28:39.9	285.58	400.9	6.0488	19.12	54.3197399
05.03.2016 15:28:40.0	285.6	401	6.3416	19.12	55.6189124
05.03.2016 15:28:40.1	285.58	399.5	6.3104	19.12	55.4819241
05.03.2016 15:28:40.2	285.64	398.7	6.1508	19.12	54.7758181
05.03.2016 15:28:40.3	285.68	399.6	6.0825	19.12	54.470847
05.03.2016 15:28:40.4	285.66	399.6	6.0831	19.12	54.4735335
05.03.2016 15:28:40.5	285.69	397.8	6.2812	19.12	55.35341
05.03.2016 15:28:40.6	285.7	397.4	6.2772	19.12	55.3357821
05.03.2016 15:28:40.7	285.69	398.4	6.3257	19.12	55.5491433
05.03.2016 15:28:40.8	285.71	398.1	6.2694	19.12	55.3013915
05.03.2016 15:28:40.9	285.75	396.7	6.2893	19.12	55.3890894
05.03.2016 15:28:41.0	285.75	396.5	6.5854	19.12	56.677952
05.03.2016 15:28:41.1	285.74	397.4	6.3252	19.12	55.5469478
05.03.2016 15:28:41.2	285.75	396.9	6.5168	19.12	56.3819726
05.03.2016 15:28:41.3	285.77	395.7	6.32	19.12	55.5241103
05.03.2016 15:28:41.4	285.76	395.9	6.1302	19.12	54.6840147
05.03.2016 15:28:41.5	285.79	396.5	6.6899	19.12	57.1258773
05.03.2016 15:28:41.6	285.82	395.5	6.4129	19.12	55.9307063
05.03.2016 15:28:41.7	285.82	394.7	6.2437	19.12	55.1879273
05.03.2016 15:28:41.8	285.85	395.3	6.2458	19.12	55.1972074
05.03.2016 15:28:41.9	285.87	395.7	6.2534	19.12	55.2307797
05.03.2016 15:28:42.0	285.88	394.4	6.5569	19.12	56.5551749
05.03.2016 15:28:42.1	285.92	393.7	6.5371	19.12	56.4697199
05.03.2016 15:28:42.2	285.91	394.6	6.1118	19.12	54.6018851
05.03.2016 15:28:42.3	285.92	394.9	6.0792	19.12	54.4560687
05.03.2016 15:28:42.4	285.89	393.1	6.1208	19.12	54.6420726
05.03.2016 15:28:42.5	285.93	392.7	6.2468	19.11	55.201626
05.03.2016 15:28:42.6	285.94	394	6.3715	19.11	55.749877
05.03.2016 15:28:42.7	285.93	394	6.4235	19.11	55.9769116
05.03.2016 15:28:42.8	286.02	392.6	6.2262	19.11	55.1105319
05.03.2016 15:28:42.9	286.07	392.3	6.0787	19.1	54.4538292
05.03.2016 15:28:43.0	286.05	393.3	6.1568	19.1	54.802528
05.03.2016 15:28:43.1	286.03	393.2	6.4001	19.1	55.8748602
05.03.2016 15:28:43.2	286.08	392	6.1221	19.1	54.647875
05.03.2016 15:28:43.3	286.06	392.3	6.0677	19.1	54.4045371
05.03.2016 15:28:43.4	286.14	393.2	6.2341	19.1	55.1454839
05.03.2016 15:28:43.5	286.31	392.7	6.2442	19.09	55.190137
05.03.2016 15:28:43.6	286.35	392	6.2557	19.09	55.2409357
05.03.2016 15:28:43.7	286.38	392.7	6.4824	19.09	56.2329649
05.03.2016 15:28:43.8	286.49	393.3	6.2643	19.09	55.2788938
05.03.2016 15:28:43.9	286.56	392.1	6.3416	19.1	55.6189124
05.03.2016 15:28:44.0	286.51	391.7	6.2185	19.1	55.0764436
05.03.2016 15:28:44.1	286.54	392.9	6.3501	19.1	55.6561745
05.03.2016 15:28:44.2	286.56	393.3	6.2835	19.1	55.3635435
05.03.2016 15:28:44.3	286.53	391.9	6.3275	19.1	55.5570461
05.03.2016 15:28:44.4	286.53	391.7	6.1841	19.1	54.9238941
05.03.2016 15:28:44.5	286.56	393.1	6.2317	19.1	55.1348679
05.03.2016 15:28:44.6	286.54	393.2	6.2955	19.1	55.4163839

05.03.2016 15:28:44.7	286.51	391.9	6.2492	19.1	55.2122291
05.03.2016 15:28:44.8	286.55	391.9	6.0979	19.1	54.5397595
05.03.2016 15:28:44.9	286.54	393	6.0912	19.1	54.5097888
05.03.2016 15:28:45.0	286.53	392.8	6.2744	19.1	55.3234392
05.03.2016 15:28:45.1	286.54	391.9	6.3307	19.1	55.5710927
05.03.2016 15:28:45.2	286.55	392.1	6.1446	19.1	54.7482041
05.03.2016 15:28:45.3	286.54	393.1	5.7879	19.1	53.1353541
05.03.2016 15:28:45.4	286.52	392.4	5.8282	19.1	53.3200187
05.03.2016 15:28:45.5	286.4	391.7	6.0521	19.1	54.3345553
05.03.2016 15:28:45.6	286.29	392.7	6.0792	19.1	54.4560687
05.03.2016 15:28:45.7	286.27	393.2	6.1079	19.1	54.5844613
05.03.2016 15:28:45.8	286.16	392.1	6.0584	19.1	54.362828
05.03.2016 15:28:45.9	285.9	391.7	6.2406	19.1	55.1742252
05.03.2016 15:28:46.0	285.78	392.9	6.0373	19.09	54.2680789
05.03.2016 15:28:46.1	285.75	393.4	6.0373	19.09	54.2680789
05.03.2016 15:28:46.2	285.43	392.2	6.1687	19.09	54.8554642
05.03.2016 15:28:46.3	285.15	392	6.2814	19.09	55.3542913
05.03.2016 15:28:46.4	285.1	393.5	6.1252	19.09	54.6617091
05.03.2016 15:28:46.5	284.94	393.9	6.3515	19.09	55.6623094
05.03.2016 15:28:46.6	284.45	392.8	6.5366	19.09	56.4675603
05.03.2016 15:28:46.7	284.26	393	6.4314	19.09	56.0113229
05.03.2016 15:28:46.8	284.2	394.3	6.2495	19.09	55.2135544
05.03.2016 15:28:46.9	283.8	394.3	6.0937	19.09	54.5209738
05.03.2016 15:28:47.0	283.33	393.6	6.0812	19.09	54.4650257
05.03.2016 15:28:47.1	283.21	394.2	6.1136	19.09	54.6099249
05.03.2016 15:28:47.2	283.06	395.3	5.9681	19.09	53.9561701
05.03.2016 15:28:47.3	282.41	395.2	6.1753	19.09	54.8848018
05.03.2016 15:28:47.4	282.12	395.3	6.4571	19.09	56.1231225
05.03.2016 15:28:47.5	282.04	397.2	6.3189	19.09	55.5192781
05.03.2016 15:28:47.6	281.42	398.9	6.1677	19.09	54.8510177
05.03.2016 15:28:47.7	280.4	398.9	6.3674	19.09	55.7319368
05.03.2016 15:28:47.8	280.31	399.6	6.1726	19.09	54.8728019
05.03.2016 15:28:47.9	280.02	402.2	6.0992	19.09	54.5455728
05.03.2016 15:28:48.0	279.12	403.8	6.025	19.09	54.2127696
05.03.2016 15:28:48.1	278.73	403.6	6.1533	19.08	54.7869488
05.03.2016 15:28:48.2	278.6	404.7	6.0368	19.08	54.2658317
05.03.2016 15:28:48.3	278.21	407.5	5.9464	19.08	53.8579885
05.03.2016 15:28:48.4	277.23	408.9	6.0565	19.08	54.3543029
05.03.2016 15:28:48.5	276.83	408.6	5.9816	19.08	54.0171608
05.03.2016 15:28:48.6	276.66	409.9	5.8085	19.08	53.2298284
05.03.2016 15:28:48.7	275.73	412.4	6.1828	19.08	54.9181209
05.03.2016 15:28:48.8	274.78	413.3	6.1974	19.08	54.9829242
05.03.2016 15:28:48.9	274.42	413.6	5.8421	19.08	53.3835637
05.03.2016 15:28:49.0	273.22	415.4	6.2091	19.08	55.0348005
05.03.2016 15:28:49.1	272.27	417.7	6.51	19.08	56.3525488
05.03.2016 15:28:49.2	271.97	418.5	6.7474	19.08	57.3708518
05.03.2016 15:28:49.3	271.82	419.3	6.9116	19.08	58.0647242
05.03.2016 15:28:49.4	270.55	421.6	7.1212	19.08	58.938579
05.03.2016 15:28:49.5	269.56	423.7	7.3534	19.08	59.8917723
05.03.2016 15:28:49.6	269.25	424.2	7.9153	19.08	62.1379268
05.03.2016 15:28:49.7	268.27	425.5	8.1365	19.08	63.0001936
05.03.2016 15:28:49.8	266.97	428.5	8.3083	19.08	63.6618353
05.03.2016 15:28:49.9	266.54	430.4	8.2761	19.08	63.5383502
05.03.2016 15:28:50.0	266.07	430.2	8.2173	19.08	63.3122344
05.03.2016 15:28:50.1	264.62	431.2	8.3849	19.08	63.9546333
05.03.2016 15:28:50.2	263.93	434	8.7694	19.08	65.4045572
05.03.2016 15:28:50.3	263.75	435.5	8.9922	19.08	66.2301972
05.03.2016 15:28:50.4	263.01	435.5	9.11	19.09	66.6626015
05.03.2016 15:28:50.5	261.43	436.9	9.2915	19.09	67.3233914
05.03.2016 15:28:50.6	260.85	439.5	9.5677	19.09	68.3166944
05.03.2016 15:28:50.7	260.49	440.7	10.467	19.09	71.4552563
05.03.2016 15:28:50.8	259.48	441.1	10.6474	19.09	72.0683957
05.03.2016 15:28:50.9	258.67	443	11.0214	19.09	73.323207
05.03.2016 15:28:51.0	258.35	445.4	11.4236	19.09	74.6490978
05.03.2016 15:28:51.1	257.21	446.4	10.8041	19.1	72.5967815
05.03.2016 15:28:51.2	255.64	447.1	10.5323	19.1	71.6778021
05.03.2016 15:28:51.3	255.14	449.2	10.3952	19.1	71.2097554
05.03.2016 15:28:51.4	254.8	451.2	10.8202	19.1	72.6508523

05.03.2016 15:28:51.5	253.13	451.4	11.0544	19.1	73.4328962
05.03.2016 15:28:51.6	252.11	452.4	11.5298	19.1	74.9952844
05.03.2016 15:28:51.7	251.78	455	11.8996	19.1	76.1884698
05.03.2016 15:28:51.8	250.33	456.7	11.6942	19.1	75.5280597
05.03.2016 15:28:51.9	248.96	456.6	11.9043	19.1	76.2035144
05.03.2016 15:28:52.0	248.56	457.5	11.9064	19.1	76.2102355
05.03.2016 15:28:52.1	248.09	460	12.0006	19.1	76.5111183
05.03.2016 15:28:52.2	246.29	461.3	12.4311	19.1	77.8713761
05.03.2016 15:28:52.3	245.42	460.9	12.2104	19.1	77.1770217
05.03.2016 15:28:52.4	245.16	462	12.5082	19.1	78.1124892
05.03.2016 15:28:52.5	244.07	464.4	12.2747	19.1	77.3799621
05.03.2016 15:28:52.6	242.51	465.2	12.3685	19.1	77.675058
05.03.2016 15:28:52.7	241.97	465.2	12.188	19.1	77.1061985
05.03.2016 15:28:52.8	241.63	466.8	12.58	19.1	78.3363604
05.03.2016 15:28:52.9	239.99	468.7	12.8334	19.11	79.1213948
05.03.2016 15:28:53.0	238.81	469.3	12.5418	19.11	78.2173332
05.03.2016 15:28:53.1	238.26	469.8	12.6707	19.11	78.6182502
05.03.2016 15:28:53.2	237.71	471.7	12.7016	19.11	78.7140549
05.03.2016 15:28:53.3	236.05	473.2	12.7976	19.11	79.0109594
05.03.2016 15:28:53.4	235.37	473.2	12.762	19.11	78.9009877
05.03.2016 15:28:53.5	235.13	473.7	13.1602	19.11	80.1224672
05.03.2016 15:28:53.6	233.5	475.9	13.3355	19.11	80.6543362
05.03.2016 15:28:53.7	231.97	477.1	13.3219	19.1	80.6131987
05.03.2016 15:28:53.8	231.39	476.5	13.3139	19.1	80.5889904
05.03.2016 15:28:53.9	230.41	477	13.5783	19.1	81.3852626
05.03.2016 15:28:54.0	228.78	479.1	13.7823	19.1	81.9943484
05.03.2016 15:28:54.1	228.21	480	13.8318	19.1	82.1414604
05.03.2016 15:28:54.2	228.04	479.6	13.9822	19.1	82.5868353
05.03.2016 15:28:54.3	226.93	480.4	14.0336	19.1	82.7384949
05.03.2016 15:28:54.4	225.34	482.5	14.0599	19.1	82.8159876
05.03.2016 15:28:54.5	224.84	483.1	13.8142	19.1	82.0891841
05.03.2016 15:28:54.6	224.51	482.9	13.6221	19.1	81.5164206
05.03.2016 15:28:54.7	222.54	484.1	13.9968	19.1	82.629942
05.03.2016 15:28:54.8	221.35	485.8	14.0076	19.09	82.6618147
05.03.2016 15:28:54.9	220.98	486	13.8284	19.09	82.1313641
05.03.2016 15:28:55.0	219.53	486	13.6855	19.09	81.7058973
05.03.2016 15:28:55.1	218.13	487.6	13.9544	19.09	82.5046931
05.03.2016 15:28:55.2	217.73	488.8	14.234	19.09	83.3271542
05.03.2016 15:28:55.3	217.5	488.2	13.9841	19.08	82.5924464
05.03.2016 15:28:55.4	216.01	488.4	13.9381	19.08	82.4564926
05.03.2016 15:28:55.5	214.81	490.3	14.0286	19.08	82.7237542
05.03.2016 15:28:55.6	214.43	491.5	14.5809	19.08	84.3364343
05.03.2016 15:28:55.7	213.8	490.7	14.8608	19.08	85.1420621
05.03.2016 15:28:55.8	211.81	491.2	14.3103	19.08	83.5501894
05.03.2016 15:28:55.9	210.97	493.3	14.28	19.08	83.4616898
05.03.2016 15:28:56.0	210.52	494.2	14.343	19.08	83.6455938
05.03.2016 15:28:56.1	208.78	493.5	15.0208	19.08	85.5991794
05.03.2016 15:28:56.2	207.73	494.2	15.0804	19.08	85.7688328
05.03.2016 15:28:56.3	207.4	496.1	14.8217	19.08	85.0299804
05.03.2016 15:28:56.4	207.03	496.6	14.5585	19.08	84.2716282
05.03.2016 15:28:56.5	205.29	496	14.5008	19.08	84.1044647
05.03.2016 15:28:56.6	204.32	496.9	14.7536	19.08	84.8344155
05.03.2016 15:28:56.7	203.94	498.2	14.6661	19.08	84.5824753
05.03.2016 15:28:56.8	202.26	498.1	15.1663	19.08	86.0127614
05.03.2016 15:28:56.9	200.79	497.8	15.2871	19.08	86.354629
05.03.2016 15:28:57.0	200.31	499	14.7618	19.08	84.8579875
05.03.2016 15:28:57.1	199.76	499.9	14.5753	19.08	84.3202374
05.03.2016 15:28:57.2	197.98	499.4	14.707	19.08	84.7003326
05.03.2016 15:28:57.3	197.14	499.5	15.0568	19.08	85.7016948
05.03.2016 15:28:57.4	196.87	501.4	15.1921	19.08	86.0858902
05.03.2016 15:28:57.5	195.71	502.1	14.9508	19.08	85.3994916
05.03.2016 15:28:57.6	194.38	501.2	14.7694	19.08	84.879829
05.03.2016 15:28:57.7	194.37	501.5	15.0817	19.08	85.7725296
05.03.2016 15:28:57.8	193.59	503.5	15.125	19.09	85.895569
05.03.2016 15:28:57.9	191.43	504.1	14.8087	19.09	84.9926826
05.03.2016 15:28:58.0	190.13	503.1	15.1927	19.09	86.0875901
05.03.2016 15:28:58.1	189.79	503.6	15.1965	19.09	86.0983556
05.03.2016 15:28:58.2	188.93	505.4	15.2429	19.09	86.2296989

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05.03.2016 15:28:58.4	186.59	505	15.2744	19.09	86.3187513
05.03.2016 15:28:58.5	186.31	505.8	15.1942	19.09	86.0918398
05.03.2016 15:28:58.6	184.78	507.2	15.3155	19.09	86.4348055
05.03.2016 15:28:58.7	183.5	507.1	15.3062	19.09	86.4085587
05.03.2016 15:28:58.8	183.16	506.8	15.2913	19.09	86.3664908
05.03.2016 15:28:58.9	182.46	508.2	15.2968	19.09	86.3820216
05.03.2016 15:28:59.0	180.38	509.1	15.2471	19.09	86.2415779
05.03.2016 15:28:59.1	179.54	508.5	15.5652	19.09	87.1365623
05.03.2016 15:28:59.2	179.25	508.4	15.8166	19.09	87.837433
05.03.2016 15:28:59.3	178.12	510.2	15.4019	19.09	86.6782669
05.03.2016 15:28:59.4	176.86	511	15.4165	19.09	86.7193398
05.03.2016 15:28:59.5	176.29	509.9	15.4313	19.09	86.7609556
05.03.2016 15:28:59.6	175.39	510	15.4199	19.09	86.728902
05.03.2016 15:28:59.7	173.46	511.9	15.6914	19.09	87.4890934
05.03.2016 15:28:59.8	172.79	512.2	15.3265	19.09	86.4658399
05.03.2016 15:28:59.9	172.48	511.1	15.5456	19.09	87.081683
05.03.2016 15:29:00.0	170.99	511.4	15.6271	19.09	87.3096536
05.03.2016 15:29:00.1	169.72	513	15.3977	19.09	86.6664478
05.03.2016 15:29:00.2	169.33	513.1	15.7812	19.09	87.739081
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05.03.2016 15:29:00.9	162.63	515.4	15.4501	19.08	86.8137901
05.03.2016 15:29:01.0	162.29	514.4	15.5532	19.08	87.1029668
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05.03.2016 15:29:01.2	159.57	515.7	15.8806	19.08	88.0149655
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05.03.2016 15:29:01.4	158.26	514.7	15.4561	19.08	86.8306454
05.03.2016 15:29:01.5	156.34	514.7	15.5099	19.08	86.9816353
05.03.2016 15:29:01.6	155.64	516.6	15.5803	19.08	87.1788182
05.03.2016 15:29:01.7	155.05	516.8	15.4597	19.08	86.840757
05.03.2016 15:29:01.8	153.24	515.7	15.9714	19.08	88.266227
05.03.2016 15:29:01.9	152.38	516	15.8785	19.08	88.0091459
05.03.2016 15:29:02.0	152.13	517.3	15.5396	19.08	87.0648763
05.03.2016 15:29:02.1	151.56	517.1	15.3736	19.07	86.5985974
05.03.2016 15:29:02.2	149.75	516.2	15.2812	19.07	86.3379633
05.03.2016 15:29:02.3	149	516.9	15.3972	19.07	86.6650406
05.03.2016 15:29:02.4	148.76	517.9	15.4262	19.07	86.7466173
05.03.2016 15:29:02.5	147.29	517.3	15.2846	19.07	86.3475676
05.03.2016 15:29:02.6	145.61	516.9	15.2749	19.07	86.3201641
05.03.2016 15:29:02.7	145.12	518	15.4105	19.07	86.7024629
05.03.2016 15:29:02.8	144.21	518.7	15.3882	19.07	86.6397081
05.03.2016 15:29:02.9	142.45	517.7	15.3212	19.07	86.4508884
05.03.2016 15:29:03.0	141.82	517.6	15.165	19.07	86.009075
05.03.2016 15:29:03.1	141.66	519.3	15.5035	19.07	86.9636874
05.03.2016 15:29:03.2	140.65	519.8	15.8061	19.07	87.8082723
05.03.2016 15:29:03.3	138.99	518.5	15.5974	19.07	87.2266462
05.03.2016 15:29:03.4	138.45	518.7	15.4876	19.07	86.9190821
05.03.2016 15:29:03.5	137.82	520.4	15.3631	19.07	86.5690194
05.03.2016 15:29:03.6	135.97	520.7	15.3754	19.07	86.6036669
05.03.2016 15:29:03.7	135.21	519.5	15.5927	19.08	87.2135031
05.03.2016 15:29:03.8	134.94	519.9	15.2816	19.08	86.3390933
05.03.2016 15:29:03.9	133.51	521.5	15.2156	19.08	86.1524457
05.03.2016 15:29:04.0	131.82	521.4	15.5536	19.08	87.1040869
05.03.2016 15:29:04.1	131.29	520.4	15.3738	19.08	86.5991607
05.03.2016 15:29:04.2	130.42	521	15.4383	19.08	86.7806318
05.03.2016 15:29:04.3	128.66	521.8	15.409	19.09	86.6982432
05.03.2016 15:29:04.4	128	521	15.415	19.09	86.7151209
05.03.2016 15:29:04.5	127.72	520.5	15.3982	19.09	86.6678549
05.03.2016 15:29:04.6	125.47	521.6	15.322	19.09	86.4531454
05.03.2016 15:29:04.7	124.2	522	15.3853	19.09	86.6315439
05.03.2016 15:29:04.8	124.29	521	15.5175	19.09	87.0029436
05.03.2016 15:29:04.9	123.92	520.7	15.473	19.09	86.8781036
05.03.2016 15:29:05.0	122.21	522.2	15.3746	19.09	86.6014138

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05.03.2016 15:29:05.2	121.14	521.1	15.124	19.08	85.8927295
05.03.2016 15:29:05.3	119.96	521.1	14.9811	19.08	85.4859852
05.03.2016 15:29:05.4	118.46	522.9	14.9776	19.08	85.4759986
05.03.2016 15:29:05.5	117.94	523.2	15.3805	19.08	86.6180289
05.03.2016 15:29:05.6	117.57	521.8	15.2887	19.08	86.359148
05.03.2016 15:29:05.7	115.85	522	15.29	19.08	86.3628195
05.03.2016 15:29:05.8	113.57	523.5	15.2699	19.08	86.3060352
05.03.2016 15:29:05.9	113.03	523.3	15.4491	19.08	86.8109805
05.03.2016 15:29:06.0	113.04	522.3	15.1869	19.08	86.071156
05.03.2016 15:29:06.1	111.43	522.9	15.2673	19.07	86.2986872
05.03.2016 15:29:06.2	110.81	523.8	15.3723	19.07	86.5949359
05.03.2016 15:29:06.3	109.67	523.3	15.1879	19.07	86.0739897
05.03.2016 15:29:06.4	107.83	522.6	15.5331	19.07	87.0466654
05.03.2016 15:29:06.5	107.04	523.6	15.6716	19.07	87.4338775
05.03.2016 15:29:06.6	106.91	524.4	15.5336	19.07	87.0480663
05.03.2016 15:29:06.7	106.71	523.4	15.5289	19.07	87.0348963
05.03.2016 15:29:06.8	105.19	523.1	15.3488	19.07	86.5287207
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05.03.2016 15:29:07.1	103.08	523.8	15.1176	19.07	85.874554
05.03.2016 15:29:07.2	101.52	523.8	15.2228	19.07	86.1728269
05.03.2016 15:29:07.3	100.94	525.5	15.2895	19.07	86.3614074
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05.03.2016 15:29:07.5	99.13	524.4	15.0359	19.07	85.6421938
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05.03.2016 15:29:08.1	95.68	526.7	15.2135	19.07	86.1465003
05.03.2016 15:29:08.2	94.08	526.2	15.0627	19.07	85.7184842
05.03.2016 15:29:08.3	93.4	525.7	15.2458	19.07	86.2379012
05.03.2016 15:29:08.4	93.19	526.5	16.3845	19.07	89.400442
05.03.2016 15:29:08.5	92.38	527.2	15.9788	19.07	88.2866728
05.03.2016 15:29:08.6	91.37	525.9	15.1179	19.07	85.8754061
05.03.2016 15:29:08.7	91.09	525.5	14.8732	19.07	85.1775763
05.03.2016 15:29:08.8	90.41	526.8	15.2609	19.07	86.2805973
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05.03.2016 15:29:09.2	86.58	526.8	15.1663	19.07	86.0127614
05.03.2016 15:29:09.3	85.83	527.1	15.1187	19.08	85.8776782
05.03.2016 15:29:09.4	85.59	525.6	15.1434	19.08	85.9478004
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05.03.2016 15:29:10.5	76.87	526.3	14.911	19.08	85.2857464
05.03.2016 15:29:10.6	75.35	525.8	15.036	19.08	85.6424786
05.03.2016 15:29:10.7	74.56	527.3	14.8779	19.08	85.1910335
05.03.2016 15:29:10.8	74.3	527.6	14.7122	19.08	84.7153052
05.03.2016 15:29:10.9	73.42	526.2	14.739	19.08	84.7924295
05.03.2016 15:29:11.0	72.19	525.9	14.7405	19.09	84.7967441
05.03.2016 15:29:11.1	72.39	527.6	14.8392	19.09	85.0801631
05.03.2016 15:29:11.2	71.41	527.8	14.6939	19.09	84.6626015
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05.03.2016 15:29:54.3	-294	491	10.2577	19.06	70.7372328
05.03.2016 15:29:54.4	-295	491.9	10.3418	19.06	71.0266182
05.03.2016 15:29:54.5	-295.38	491.6	10.3272	19.06	70.9764647
05.03.2016 15:29:54.6	-295.74	489	10.1937	19.06	70.5162151
05.03.2016 15:29:54.7	-296.94	488.1	10.5838	19.06	71.8528306
05.03.2016 15:29:54.8	-297.53	488.9	10.3431	19.06	71.0310822
05.03.2016 15:29:54.9	-297.71	488.3	10.4202	19.06	71.2953322
05.03.2016 15:29:55.0	-298.02	486.3	10.1965	19.06	70.5258991
05.03.2016 15:29:55.1	-298.43	485.9	10.0045	19.06	69.8587425
05.03.2016 15:29:55.2	-298.03	486.6	9.8311	19.06	69.2506934
05.03.2016 15:29:55.3	-299.03	485.7	10.0571	19.06	70.0421476
05.03.2016 15:29:55.4	-299.41	484	10.1582	19.06	70.3933201
05.03.2016 15:29:55.5	-299.41	484.2	10.2637	19.06	70.7579178
05.03.2016 15:29:55.6	-299.39	484.5	10.2648	19.06	70.7617094
05.03.2016 15:29:55.7	-299.48	483.3	10.6193	19.06	71.9732335
05.03.2016 15:29:55.8	-299.57	482.2	10.8683	19.06	72.8121539
05.03.2016 15:29:55.9	-299.6	482.8	10.4897	19.06	71.5326976
05.03.2016 15:29:56.0	-299.95	483.1	10.3244	19.06	70.9668421
05.03.2016 15:29:56.1	-299.79	481.4	10.2467	19.06	70.6992945
05.03.2016 15:29:56.2	-299.66	480.8	9.9099	19.06	69.5276748
05.03.2016 15:29:56.3	-299.64	482	9.8043	19.06	69.1562388
05.03.2016 15:29:56.4	-299.6	482	9.8249	19.06	69.2288534
05.03.2016 15:29:56.5	-299.59	480.5	10.0101	19.06	69.8782914
05.03.2016 15:29:56.6	-299.63	480.2	10.1309	19.06	70.298666
05.03.2016 15:29:56.7	-299.62	481.8	9.9175	19.06	69.5543304
05.03.2016 15:29:56.8	-299.58	481.5	9.765	19.06	69.0174951
05.03.2016 15:29:56.9	-299.63	480	9.6598	19.06	68.6447198
05.03.2016 15:29:57.0	-299.62	480.2	9.4737	19.07	67.9802697
05.03.2016 15:29:57.1	-299.61	481.1	9.6544	19.07	68.6255303
05.03.2016 15:29:57.2	-299.59	480.7	9.941	19.07	69.6366878
05.03.2016 15:29:57.3	-299.61	479.7	9.916	19.07	69.5490702
05.03.2016 15:29:57.4	-299.59	480.2	10.1153	19.07	70.2445207
05.03.2016 15:29:57.5	-299.59	480.9	9.957	19.07	69.6927053
05.03.2016 15:29:57.6	-299.56	479.8	9.7221	19.07	68.865723
05.03.2016 15:29:57.7	-299.54	478.9	9.5693	19.07	68.3224064
05.03.2016 15:29:57.8	-299.56	479.7	9.5195	19.07	68.1443948
05.03.2016 15:29:57.9	-299.6	479.9	10.0507	19.07	70.0198578
05.03.2016 15:29:58.0	-299.63	478.4	10.354	19.07	71.0685001
05.03.2016 15:29:58.1	-299.61	477.5	10.2946	19.07	70.86435
05.03.2016 15:29:58.2	-299.58	479.1	9.8957	19.07	69.4778435
05.03.2016 15:29:58.3	-299.62	479.1	9.7041	19.07	68.8019427
05.03.2016 15:29:58.4	-299.6	477.4	9.5421	19.07	68.2252367
05.03.2016 15:29:58.5	-299.58	477.4	9.6233	19.07	68.5149085
05.03.2016 15:29:58.6	-299.61	478.9	10.2015	19.07	70.5431886
05.03.2016 15:29:58.7	-299.63	479	10.4034	19.07	71.2378359
05.03.2016 15:29:58.8	-299.6	477.6	10.563	19.06	71.7821909
05.03.2016 15:29:58.9	-299.59	477.7	10.9459	19.06	73.0716321
05.03.2016 15:29:59.0	-299.63	478.7	10.7064	19.06	72.2677947
05.03.2016 15:29:59.1	-299.61	478	10.5271	19.06	71.6601056
05.03.2016 15:29:59.2	-299.3	476.9	10.4376	19.06	71.354833
05.03.2016 15:29:59.3	-299.36	477.3	10.171	19.06	70.4376562
05.03.2016 15:29:59.4	-299.56	478.1	10.0321	19.05	69.9550378

05.03.2016 15:29:59.5	-299.59	476.8	9.9229	19.05	69.5732637
05.03.2016 15:29:59.6	-299.59	475.9	10.3066	19.05	70.9056398
05.03.2016 15:29:59.7	-299.62	476.8	10.606	19.05	71.9281484
05.03.2016 15:29:59.8	-299.63	477.6	11.012	19.05	73.2919321
05.03.2016 15:29:59.9	-299.5	476	10.9641	19.05	73.1323558
05.03.2016 15:30:00.0	-299.52	475.6	10.4615	19.05	71.4364804
05.03.2016 15:30:00.1	-299.59	477.1	10.1361	19.05	70.3167052
05.03.2016 15:30:00.2	-299.6	477.2	10.0159	19.05	69.8985327
05.03.2016 15:30:00.3	-299.61	475.4	10.0625	19.05	70.0609491
05.03.2016 15:30:00.4	-299.61	475.3	9.9001	19.05	69.493288
05.03.2016 15:30:00.5	-299.63	476.6	10.4225	19.05	71.3032001
05.03.2016 15:30:00.6	-299.37	476.4	10.897	19.06	72.9082283