

## Full1

Nodes: short@node115,short@node116,short@node117,short@node315,short@node316

wscorpus100		Perl	C++ seq	1	2	4	8	16	32 (29)
1 system									
ROUGE		2.58	6.574636	3.017481	2.025172	1.040344	1.070286	1.058180	1.079881
METEOR		15.11	17.486305	13.015120	13.018790	14.038062	13.064172	14.057697	15.077238
GTM		0.8	1.477454	0.014029	0.019074	0.037893	0.031167	0.058020	1.090920
O		0.1	0.265785	0.037609	0.065391	0.064747	0.118155	0.180680	0.357128
WER		0.5	0.912201	0.007502	0.014291	0.032919	0.062733	0.045598	0.097318
PER		0.09	0.354571	0.010349	0.020454	0.038327	0.058523	0.046222	0.071280
TER		74.2	95.088636	74.012960	68.021226	50.033788	43.037009	41.049746	31.092564
LeM		0.51	1.063821	0.008952	0.018386	0.033548	0.071755	0.046113	1.075732
2 system									
ROUGE		6.01	13.035218	3.028824	2.045093	2.079332	2.072248	1.097190	1.182294
METEOR		27.79	33.872146	15.023055	13.044471	14.061167	14.060819	18.102536	15.179855
GTM		1.46	2.681830	0.024466	0.033537	0.067660	1.067942	1.097303	1.185333
O		0.18	0.525053	0.079349	0.078645	0.140188	0.198316	0.442494	0.669243
WER		1.03	1.748544	0.021352	0.412337	0.066806	0.050344	0.093744	0.178394
PER		0.16	0.693829	0.021130	0.037829	0.074487	0.055517	0.116180	0.179143
TER		150.08	195.469137	108.023443	77.044283	64.068263	59.065912	39.122492	34.181315
LeM		0.96	2.225104	0.018396	0.034622	0.069556	1.065726	1.107228	1.173632
5 system									
ROUGE		13.05	32.822073	5.071173	4.119738	3.108236	2.148446	1.282122	1.423787
METEOR		69.9	86.826620	15.076690	14.052650	15.091242	15.131309	15.250935	15.367027
GTM		3.65	6.244096	0.053534	1.041364	1.069795	1.146515	1.230956	1.457475
O		0.45	1.275699	0.118732	0.144163	0.319636	0.480358	1.037693	2.489108
WER		2.1	4.197882	0.052418	0.092883	0.080460	0.148659	1.265645	0.376006
PER		0.3	1.709838	0.052500	0.038499	0.069177	0.130151	0.270817	1.374444
TER		374.17	487.188641	137.057068	114.047509	66.077278	70.120525	45.225318	30.383902
LeM		2.41	4.730898	1.045544	1.082558	1.059792	1.135919	1.220731	1.460200

## Full1

## 10 system

	Perl	C++ seq	1	2	4	8	16	32
ROUGE	26.21	67.195476	8.083218	6.120439	4.192485	2.366454	2.621042	2.826318
METEOR	145.21	172.348779	16.089100	16.111858	16.164421	15.267116	15.559371	15.937307
GTM	7.17	11.410286	1.118240	1.099150	1.178150	1.265466	1.609232	1.752037
O	0.9	2.544401	1.225061	1.319073	0.593888	1.187420	2.729905	3.877994
WER	4.29	7.442099	0.097168	0.070651	0.175214	0.285290	0.556572	1.846356
PER	0.63	3.465407	0.092598	0.090876	0.133662	0.251412	1.502227	1.900007
TER	776.32	982.953739	191.066879	158.085932	144.180751	79.360539	52.457835	40.733855
LeM	4.82	9.503617	1.088997	1.077471	1.126943	1.283789	1.532204	1.851556

## all system

	Perl	C++ seq	1	2	4	8	16	32
ROUGE	36.76	89.761858	11.115310	6.212485	4.244346	2.525437	2.713013	3.224061
METEOR	199.73	242.101632	16.103068	16.153978	16.193185	15.479305	15.796444	17.108527
GTM	10.74	16.945001	1.089820	1.107117	1.228347	1.455193	1.622271	2.083683
O	1.38	3.508735	3.309377	0.504455	0.745977	2.736523	3.415702	5.880865
WER	6.18	10.837011	0.064570	0.109809	1.223645	0.378194	0.613216	2.284698
PER	0.93	4.835685	0.058686	0.118378	0.197481	1.419455	0.645476	2.190018
TER	1088.1	1369.287428	248.122874	148.144581	142.216991	84.468779	56.683341	40.267339
LeM	7.8	12.647490	1.051333	1.119163	1.189759	1.324295	1.790204	2.288026

## Full2

wscorpus200

1 system

Perl	C++ seq		1	2	4	8	16 32 (29)
5.03	12.828679	6.026903	3.030666	2.044756	2.076596	2.057592	1.094588
14.87	19.494018	14.018629	13.026065	13.042677	13.029730	15.064504	13.114416
1.08	1.806504	1.014493	0.012798	0.036155	1.065521	0.064565	0.091524
0.19	0.413513	0.046898	0.039096	0.057328	0.132943	0.207056	0.403787
0.79	1.419126	0.013171	0.018915	0.038400	0.073646	0.053967	0.087629
0.09	0.404679	0.014272	0.021594	0.034085	0.073560	0.050057	0.091736
104.87	141.355577	104.018304	71.035017	77.039538	77.055590	59.069539	32.095833
0.5	2.703573	0.012863	0.035731	0.030922	0.027239	1.060761	0.100556

2 system

Perl	C++ seq		1	2	4	8	16 32 (29)
10.4	24.645843	6.054442	3.060976	3.099563	3.084787	2.110355	1.187254
32.01	37.114761	14.029584	14.054286	14.082106	15.071603	15.131927	13.183380
2.34	3.333190	1.031168	1.047712	1.036590	1.069970	1.109098	0.222077
0.38	0.810096	0.055082	0.083851	0.143312	0.181319	0.514386	0.684785
1.63	2.643365	0.028795	0.051859	0.074741	0.068077	0.110381	0.202420
0.21	0.792556	0.024640	0.050724	0.035946	0.055207	0.131971	0.175254
212.91	339.948472	109.031702	112.045616	102.041595	59.069610	59.108738	36.220142
1.13	2.132722	0.025074	0.037574	1.038918	1.053297	1.120084	0.171284

5 system

Perl	C++ seq		1	2	4	8	16 32 (29)
26.59	62.413110	6.102325	4.100673	6.119866	4.201955	2.281058	1.472780
79.23	92.220582	14.059387	14.059731	16.097118	16.189264	15.269733	14.521628
5.93	7.248448	1.071848	0.067498	1.088996	1.136154	1.268028	1.498142
0.96	2.041623	0.114157	12.174206	0.300200	1.633118	1.009350	1.710880
4.08	5.873575	0.061995	0.052982	0.086987	0.176697	0.252926	0.399846
0.46	1.958871	0.058349	0.052476	0.074152	0.157087	0.254090	0.539295
540.69	702.736212	163.071180	130.096982	152.086041	136.153296	59.334880	37.517009
2.79	4.432908	0.048277	0.042187	1.068448	1.133062	1.290666	1.411113

## Full2

<i>10 system</i>	Perl	C++ seq	1	2	4	8	16	32 (29)
ROUGE	54.02	126.973092	8.205599	5.193930	8.238450	4.413182	2.750851	1.956351
METEOR	162.43	185.149238	15.081914	15.139995	16.242677	16.335148	16.547938	15.077126
GTM	11.56	15.156163	1.076976	1.121082	1.179817	1.266712	1.638469	1.934170
O	1.86	4.090762	7.228150	1.392965	2.561921	2.248319	2.995014	2.589121
WER	8.26	11.675367	0.077968	0.099951	1.185228	1.322137	1.606634	0.967287
PER	0.95	3.907814	0.061452	0.091535	0.153947	0.327057	1.594715	1.826154
TER	1092.33	1404.824158	197.113408	162.124363	238.167779	111.336121	74.665647	37.899694
LeM	5.9	9.200518	0.047233	0.088786	1.160559	1.301751	1.463435	1.806295

<i>all system</i>	Perl	C++ seq	1	2	4	8	16	32 (29)
ROUGE	73.18	177.716141	8.195246	7.237206	8.421473	4.470806	3.839405	2.658108
METEOR	225.0	260.883458	16.126599	16.238449	16.297205	16.520730	16.782488	15.463584
GTM	14.43	19.617831	1.101965	1.179698	1.244859	1.406654	1.714397	2.180871
O	2.51	5.704186	19.420011	10.513323	1.881592	3.855939	3.825124	5.545235
WER	11.26	16.144156	1.082979	0.132562	1.242503	1.448903	1.897562	2.173735
PER	1.33	5.525920	0.100687	0.125595	0.234825	1.362659	1.856085	2.353860
TER	1500.54	1983.797767	227.116084	193.223747	236.267968	118.446829	79.838948	37.490850
LeM	8.09	12.718979	0.066811	0.101946	1.192396	1.339543	1.644626	2.170104

## Full3

wscorpus500

1 system

Perl	C++ seq	1	2	4	8	16	32
11.56	27.703824	16.051163	8.061794	5.059871	4.067212	4.085957	2.148941
16.38	21.478043	17.028735	15.033935	14.052462	14.098973	14.071901	16.125411
1.57	2.045300	1.024647	1.034825	0.047456	1.035670	1.066929	1.109739
0.37	0.832299	1.058075	0.053913	0.075302	2.131788	0.235916	1.415381
1.47	2.151584	1.019596	0.027088	0.048533	0.032577	0.052626	0.126274
0.11	0.529448	0.019995	0.026507	0.058007	0.040265	0.065556	0.128437
172.5	256.655888	187.030504	188.039341	137.053712	113.084340	109.071767	67.128751
0.57	1.220164	0.015012	0.023262	0.038115	0.036497	0.058086	1.128076

2 system

Perl	C++ seq	1	2	4	8	16	32
23.84	55.096561	16.071919	10.092605	8.142755	8.123229	4.202511	2.294500
33.4	44.621514	17.044428	16.066163	15.065498	15.096350	15.145416	15.265438
3.13	3.568328	1.040522	1.063209	1.055585	1.081339	1.137409	1.244957
0.75	1.556207	1.078641	0.116839	0.166421	9.319926	0.529917	1.024737
2.88	4.309670	1.033206	1.048692	0.055856	0.071654	0.108023	0.245072
0.25	1.065820	0.033211	0.053897	0.057646	0.069369	0.132406	0.265378
351.28	470.507097	283.049670	213.060791	180.073629	183.079987	109.130024	67.238840
1.12	2.279613	0.030671	0.049055	0.045601	1.054889	1.140492	1.199297

5 system

Perl	C++ seq	1	2	4	8	16	32
59.61	141.402562	23.172292	21.211937	16.182893	8.328836	4.459724	2.739207
82.05	107.887004	19.102645	18.091454	16.136098	16.221568	15.336117	15.631237
7.89	9.928864	1.087652	1.085936	1.124547	1.198450	1.288475	1.613086
1.86	3.689885		44.261757	1.546804	4.795588	1.224793	3.551208
7.25	10.193372	1.075206	1.068488	1.112593	1.157116	1.297536	0.683743
0.6	2.546844	0.081167	0.065638	0.103440	0.187233	0.308593	0.585460
1011.0	1130.956130	370.102343	311.137634	195.157026	132.228417	81.361873	52.718967
2.84	5.314869	1.052452	1.050829	1.083576	1.180145	1.289700	1.532996

## Full3

10 system	Perl	C++ seq	1	2	4	8	16	32
ROUGE	120.35	259.906925	40.392415	18.435987	15.384678	8.741738	5.013959	3.395983
METEOR	164.66	216.790361	20.206060	19.203391	17.270000	16.507793	15.725934	16.187992
GTM	15.81	19.595741	2.152570	2.156964	1.289116	1.417058	1.675749	2.224692
O	3.8	6.446446	66.473307		43.885843	102.687039	3.284977	5.155806
WER	14.58	20.358289	2.156218	1.143427	1.205804	1.387266	1.592417	2.072457
PER	1.2	4.989739	0.158814	0.144388	0.238869	0.376213	0.567648	1.080721
TER	1826.15	2289.806914	519.191871	434.230703	265.323829	162.419598	99.749874	62.122061
LeM	5.64	10.699356	1.116821	1.121230	1.173372	1.282066	1.646698	2.224593

all system	Perl	C++ seq	1	2	4	8	16	32
ROUGE	171.88	384.528934	58.367910	28.432536	17.653936	9.931191	6.638118	4.865618
METEOR	232.34	303.391660	21.205843	18.295477	17.411446	16.688086	17.055645	16.722954
GTM	22.36	26.180237	2.173764	2.224363	1.340104	1.500277	2.861426	2.384389
O	5.28	8.132934	92.503601	52.870359	4.171295	25.975901	4.774147	7.779509
WER	20.5	26.913603	2.222471	1.214720	1.284927	1.545322	1.820340	2.795859
PER	1.68	6.595299	1.127320	0.208399	0.310694	1.492635	1.807800	2.836155
TER	2478.06	3180.605084	715.246262	377.304282	387.378128	298.645423	125.908518	80.440191
LeM	7.97	14.229369	1.092829	1.153064	1.221460	1.426501	1.729594	2.480534

## Full4

## wscorpus1000

## 1 system

	Perl	C++ seq	1	2	4	8	16	32
ROUGE	24.45	53.588605	34.055718	17.067205	10.085523	8.069699	6.101633	3.157612
METEOR	18.89	26.287550	23.034160	18.041244	17.060286	16.062177	16.082314	14.124492
GTM	2.23	2.455640	2.038098	1.034114	1.052913	1.086841	1.065197	1.120675
O	0.74	1.492890	4.082931	1.123487	12.104890	29.165380	6.253154	0.469710
WER	3.06	3.814445	3.029313	1.030385	1.046665	0.081399	0.062023	0.137857
PER	0.19	0.785506	1.027914	0.033401	0.046473	0.093955	0.060511	0.137857
TER	284.94	390.429974	282.050493	296.051537	224.055870	188.086637	166.089760	99.125152
LeM	0.69	1.451852	1.020844	0.027201	0.043206	0.075039	1.055055	1.112319

## 2 system

	Perl	C++ seq	1	2	4	8	16	32
ROUGE	48.77	109.510809	34.119316	20.685492	15.168556	14.160972	7.212532	4.386354
METEOR	37.38	53.544399	23.099852	18.081036	18.122518	17.130811	16.171165	15.266371
GTM	4.55	4.635128	5.057573	1.070955	1.075391	1.099559	1.151599	1.312246
O	1.48	2.748143	87.168264	117.153683	61.233427	15.378682	342.526233	1.027379
WER	5.99	7.421703	3.045884	1.061806	1.092581	1.087335	0.149118	0.247005
PER	0.38	1.428255	1.054159	0.065980	0.094553	0.094430	0.155565	0.247005
TER	565.77	667.921521	451.091007	344.077041	305.112952	248.122606	155.171826	97.314286
LeM	1.37	2.586016	1.039621	1.049354	0.053019	1.058480	1.122728	1.270228

## 5 system

	Perl	C++ seq	1	2	4	8	16	32
ROUGE	124.48	270.355213	48.290571	42.383863	26.351979	13.416061	7.648490	5.010920
METEOR	93.69	128.682672	25.209186	21.167153	18.240034	17.298825	16.472789	15.652532
GTM	11.34	11.660560	2.148999	1.120475	2.178343	1.266941	1.406941	1.609889
O	3.69	6.392040	246.276044	74.513101	34.641387	6.867139	1.501147	17.594413
WER	14.95	18.684684	4.131066	2.151817	1.153379	1.222911	1.312026	0.665368
PER	0.95	3.242275	1.115225	1.212096	0.150515	0.236623	0.339070	0.665368
TER	1430.04	1702.228886	450.231827	375.151541	306.215309	335.347800	203.522266	136.686166
LeM	3.49	5.537785	1.073855	1.135674	1.119941	1.153452	1.310591	1.641001

## Full4

10 system	Perl	C++ seq	1	2	4	8	16	32
ROUGE	262.21	532.594781	75.760840	72.636691	36.692418	18.969250	10.439686	6.257768
METEOR	211.79	257.494346	24.258200	21.300236	20.447397	18.702704	17.999079	17.402428
GTM	26.4	23.001843	3.346949	2.263390	2.376978	1.521956	1.834733	2.297903
O	8.72	12.166571	120.795717	53.917504		53.859695	48.845372	8.100506
WER	32.78	37.394581	4.251498	2.181149	1.356643	1.402435	1.688760	1.128433
PER	1.9	6.175130	1.149593	1.188393	0.312975	0.472873	0.668412	1.128433
TER	2761.25	3406.455353	828.364037	731.460944	447.402705	277.777432	181.030267	109.402923
LeM	6.92	11.631864	1.089267	1.152367	1.225417	1.361030	1.653080	2.084193

all system	Perl	C++ seq	1	2	4	8	16	32
ROUGE	367.0	751.336127	111.938626	59.116530	31.355140	15.560473	8.901617	7.907634
METEOR	261.07	363.160577	27.492249	23.577886	21.589235	19.152344	18.460229	18.196366
GTM	31.84	37.320228	3.342310	2.344934	2.649621	1.869456	2.096212	3.042183
O	10.52	16.997512	157.014737	63.369577	33.966868	19.618298	7.748858	7.437043
WER	41.96	51.379374	4.209944	2.282208	1.383672	1.733886	1.935430	1.570576
PER	2.68	8.387230	2.333709	1.285320	0.484039	0.616465	1.103898	1.598079
TER	4130.13	4741.898544	1073.400664	848.668742	537.685376	324.979470	203.300798	121.230641
LeM	9.88	15.714874	1.162222	1.200274	1.292457	1.494926	2.827701	3.689813



**wscorpus2000**
**Full5**

1 system	Perl	C++ seq	1	2	4	8	16	32
ROUGE	48.82							
METEOR	20.97							
GTM	3.46							
O	1.48							
WER	6.05							
PER	0.32							
TER	586.84							
LeM	0.88							

2 system	Perl	C++ seq	1	2	4	8	16	32
ROUGE	100.56							
METEOR	41.78							
GTM	6.78							
O	2.91							
WER	11.61							
PER	0.63							
TER	804.58							
LeM	1.84							

5 system	Perl	C++ seq	1	2	4	8	16	32
ROUGE	270.09							
METEOR	104.84							
GTM	17.13							
O	7.33							
WER	29.51							
PER	1.62							
TER	1998.22							
LeM	4.41							

## Full5

10 system	Perl	C++ seq	1	2	4	8	16	32
ROUGE	527.6							
METEOR	212.88							
GTM	35.81							
O	14.73							
WER	59.34							
PER	3.24							
TER	4597.86							
LeM	8.92							

all system	Perl	C++ seq	1	2	4	8	16	32
ROUGE	744.61							
METEOR	295.19							
GTM	47.69							
O	20.57							
WER	82.29							
PER	4.56							
TER	5572.28							
LeM	12.54							