

AVERAGE of timing						prefetch branch workers															
rows	data	io	sb	iomethod	ioworkers	off								on							
						master				patched				patched				patched			
						1	2	4	8	1	2	4	8	1	2	4	8	1	2	4	8
1000000	random	buffered	128MB	io_uring	32	2960	3373	3989	5585	2968	3360	3955	5577	1898	2251	3219	5361				
				worker	12	2975	3372	3984	5596	2950	3393	3967	5591	1453	1960	6149	11561				
					32	2978	3412	3966	5601	2983	3386	3962	5679	1438	2018	7562	18386				
					32	2626	2681	2900	3007	2549	2663	2815	3028	1140	1285	1500	1848				
				worker	12	2522	2701	2825	2998	2520	2652	2891	3032	1133	1288	1720	2138				
					32	2537	2687	2829	3008	2558	2696	2812	3026	1143	1263	1538	2045				
		direct	128MB	io_uring	32	31591	36478	39846	42289	31618	36496	39838	42321	2792	3453	4446	6181				
				worker	12	31607	36534	39708	42289	31590	36498	39682	42340	2955	6324	13510	19351				
					32	31615	36614	39814	42345	31589	36557	39688	42375	2804	4016	5508	10995				
					32	3664	3802	4023	4284	3673	3815	4084	4236	1203	1317	1464	1678				
				worker	12	3694	3811	4015	4241	3716	3803	4009	4239	1212	1436	1963	2493				
					32	3694	3810	4017	4232	3704	3802	4094	4235	1211	1422	1562	1930				
	sequential	buffered	128MB	io_uring	32	644	660	689	802	645	654	681	792	636	649	684	822				
				worker	12	636	663	684	810	638	655	685	796	566	577	617	778				
					32	657	665	693	795	640	653	686	802	564	585	620	774				
					32	658	692	747	871	646	683	745	867	610	617	666	807				
				worker	12	659	689	747	876	661	684	748	865	565	679	634	830				
					32	658	686	750	880	648	683	745	869	577	592	679	786				
		direct	128MB	io_uring	32	2317	2672	2902	4019	2309	2672	2904	4005	723	734	782	906				
				worker	12	2340	2674	2890	3998	2518	2709	2887	4013	708	772	779	872				
					32	2306	2669	2885	4009	2361	2658	2920	4016	706	727	759	882				
					32	2423	2690	2938	4050	2503	2693	2922	4066	741	757	824	928				
				worker	12	2525	2694	2938	4060	2453	2722	2948	4048	846	736	808	887				
					32	2501	2703	2930	4062	2519	2739	2954	4028	727	738	787	892				

rows	data	io	sb	iomethod	ioworkers	off								on							
						patched				patched				patched				patched			
						1	2	4	8	1	2	4	8	1	2	4	8	1	2	4	8
1000000	random	buffered	128MB	io_uring	32	100%	100%	99%	100%	100%	100%	99%	100%	64%	67%	81%	96%				
				worker	12	99%	101%	100%	100%	100%	100%	100%	100%	49%	58%	154%	207%				
					32	100%	99%	100%	101%	100%	99%	100%	101%	48%	59%	191%	328%				
					32	97%	99%	97%	101%	97%	99%	97%	101%	43%	48%	52%	61%				
				worker	12	100%	98%	102%	101%	100%	98%	102%	101%	45%	48%	61%	71%				
					32	101%	100%	99%	101%	101%	100%	99%	101%	45%	47%	54%	68%				
		direct	128MB	io_uring	32	100%	100%	100%	100%	100%	100%	100%	100%	9%	9%	11%	15%				
				worker	12	100%	100%	100%	100%	100%	100%	100%	100%	9%	17%	34%	46%				
					32	100%	100%	100%	100%	100%	100%	100%	100%	9%	11%	14%	26%				
					32	100%	100%	102%	99%	100%	100%	102%	99%	33%	35%	36%	39%				
				worker	12	101%	100%	100%	100%	101%	100%	100%	100%	33%	38%	49%	59%				
					32	100%	100%	102%	100%	100%	100%	102%	100%	33%	37%	39%	46%				
	sequential	buffered	128MB	io_uring	32	100%	99%	99%	99%	100%	99%	99%	99%	99%	98%	99%	103%				
				worker	12	100%	99%	100%	98%	100%	99%	100%	98%	89%	87%	90%	96%				
					32	97%	98%	99%	101%	97%	98%	99%	101%	86%	88%	89%	97%				
					32	98%	99%	100%	100%	98%	99%	100%	100%	93%	89%	89%	93%				
				worker	12	100%	99%	100%	99%	100%	99%	100%	99%	86%	99%	85%	95%				
					32	99%	99%	99%	99%	99%	99%	99%	99%	88%	86%	91%	89%				
		direct	128MB	io_uring	32	100%	100%	100%	100%	100%	100%	100%	100%	31%	27%	27%	23%				
				worker	12	108%	101%	100%	100%	108%	101%	100%	100%	30%	29%	27%	22%				
					32	102%	100%	101%	100%	102%	100%	101%	100%	31%	27%	26%	22%				
					32	103%	100%	99%	100%	103%	100%	99%	100%	31%	28%	28%	23%				
				worker	12	97%	101%	101%	100%	97%	101%	101%	100%	33%	27%	27%	22%				
					32	101%	101%	101%	99%	101%	101%	101%	99%	29%	27%	27%	22%				