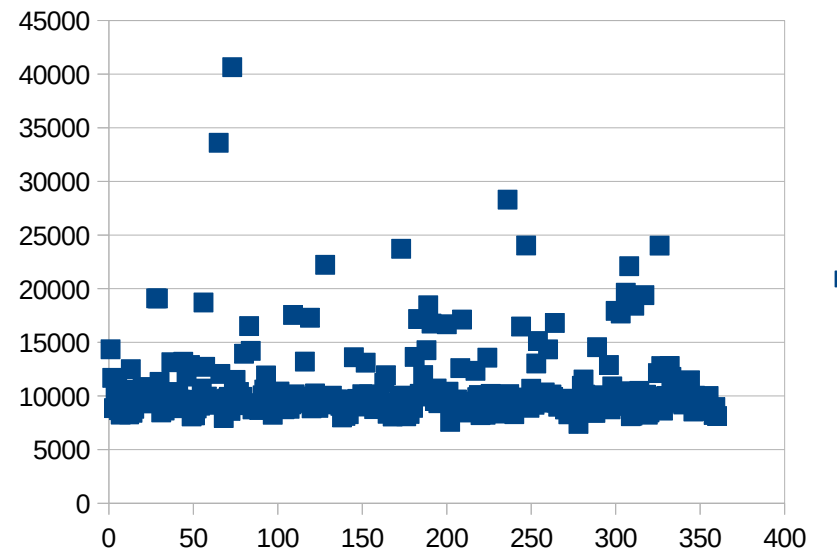
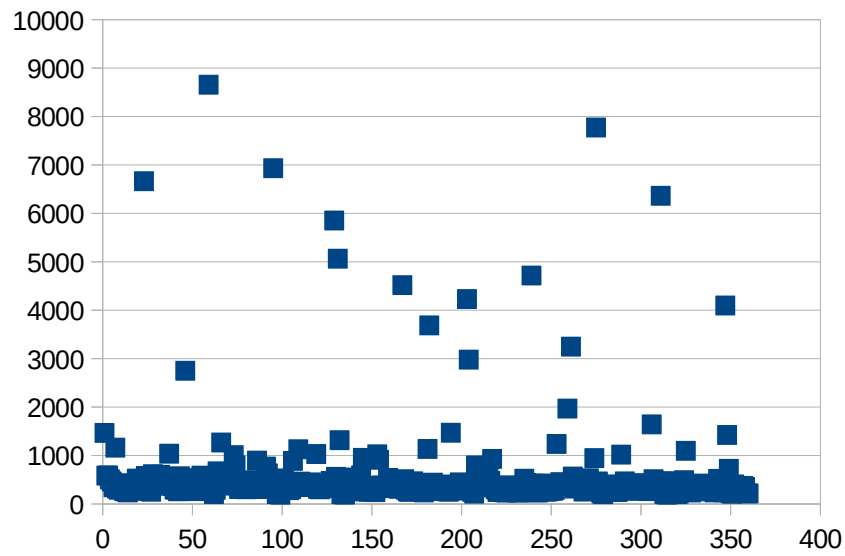
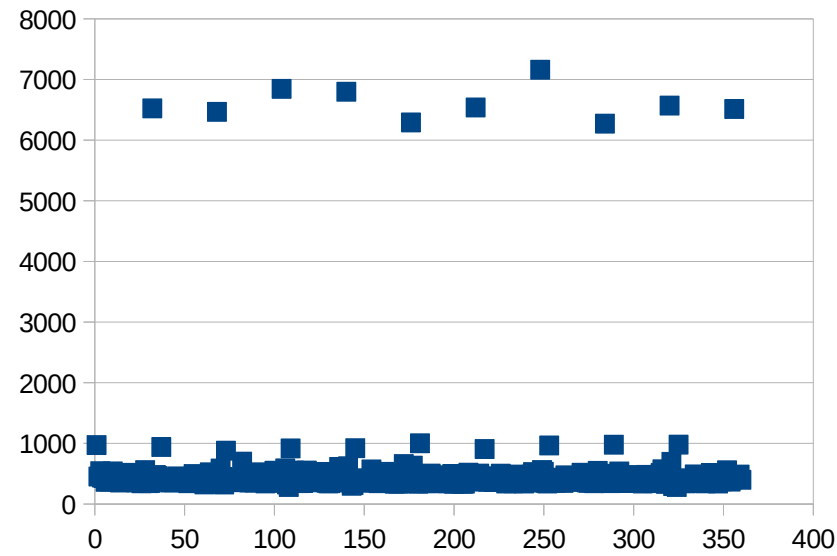


		FS+SSD	FS+HD	Swift+SSC
file 16MiB	start	972	1467	14350
	mid	453	586	11689
	end	542	587	8865
	start	436	510	9958
	mid	428	464	10650
	end	366	344	8680
	start	402	1162	8263
	mid	371	317	8509
	end	392	292	9038
file 16MiB	end	538	344	8329
	mid	455	429	10580
	start	454	264	8285
	end	375	256	12499
	mid	355	238	8429
	start	410	300	8804
	end	410	337	9428
	mid	416	341	9410
	start	438	415	9592
file 2GiB	start	514	523	10429
	mid	433	416	10832
	end	453	336	9388
	start	363	270	9494
	mid	357	6665	9307
	end	397	579	9679
	start	357	351	10059
	mid	342	340	9744
	end	463	252	9777
file 2GiB	end	559	614	19102
	mid	380	600	19084
	start	345	483	11312
	end	349	495	8468
	mid	6523	601	9000
	start	465	441	8643
	end	478	475	9659
	mid	460	376	9833
	start	380	430	9479
file 16MiB	start	941	1037	13145
	mid	398	454	9519
	end	416	369	8858
	start	432	299	9177
	mid	376	293	10369
	end	355	261	9655
	start	384	572	9080
	mid	358	295	13186
	end	378	529	9093
file 16MiB	end	455	2750	11805
	mid	419	531	9640
	start	403	376	12882
	end	427	366	8090
	mid	430	364	8290
	start	403	325	8192
	end	344	315	8841
	mid	354	265	9251
	start	429	328	9092
file 2GiB	start	494	584	10685
	mid	442	468	18710
	end	367	280	12719
	start	403	355	9937
	mid	373	8657	9689
	end	394	449	9544
	start	324	263	9552
	mid	341	204	9207
	end	408	291	9309
file 2GiB	end	523	673	9192

byte-offset-read

all numbers are time to read a small byte-range from the target file (microsec)
reads are 16KiB chunk from the start, mid, and end: no detectable difference
target files are 16Mib and 2GiB: no detectable difference



file 16MiB	mid	399	565	33601
	start	338	1269	12052
	end	332	526	9428
	mid	6466	430	7943
	start	459	569	9459
	end	585	657	9754
	mid	447	378	9915
	start	322	433	8604
	start	880	1007	40650
	mid	436	799	10409
	end	376	386	11500
	start	378	309	10098
	mid	395	354	10372
	end	384	310	9658
	start	429	332	9915
file 16MiB	mid	359	303	13934
	end	432	316	9319
	end	699	489	9141
	mid	440	400	16514
	start	376	392	14203
	end	386	391	8750
	mid	355	895	9297
	start	419	393	9088
	end	475	306	9224
	mid	354	320	8693
	start	408	349	9199
	start	523	772	10061
	mid	373	631	10598
	end	368	499	11911
	start	403	507	9883
file 2GiB	mid	340	6933	9238
	end	432	455	8743
	start	363	203	8246
	mid	490	213	9174
	end	497	192	9658
	end	549	430	9573
	mid	472	527	10408
	start	350	364	9963
	end	355	288	8921
	mid	6845	285	8760
	start	464	308	8943
	end	588	889	9564
	mid	322	399	8807
	start	281	376	9219
	start	917	1130	17552
file 16MiB	mid	439	462	10153
	end	551	347	9471
	start	442	411	9671
	mid	391	409	9379
	end	345	391	9950
	start	376	360	9677
	mid	346	445	13203
	end	369	384	9502
	end	551	387	9362
	mid	358	1031	17286
	start	437	311	8849
	end	406	302	9260
	mid	395	321	10233
	start	449	352	9009
	end	396	345	8890
file 2GiB	mid	405	338	9310
	start	416	399	9298
	start	529	473	9379
	mid	380	343	22226
	end	350	5853	9212
	start	341	560	9365
	mid	343	5065	9664

file 2GiB	end	426	1317	10027
	start	391	204	9636
	mid	366	200	9324
	end	515	195	9668
	end	611	447	9662
	mid	394	546	9078
	start	540	369	7998
	end	448	346	8711
	mid	6798	294	8139
	start	623	261	8562
file 16MiB	end	353	375	8305
	mid	301	262	9237
	start	312	592	9355
	start	921	951	13610
	mid	402	376	9517
	end	379	295	9727
	start	370	252	9080
	mid	355	263	9705
	end	362	257	10162
	start	425	267	9619
file 16MiB	mid	362	245	13106
	end	355	1025	9018
	end	570	913	10151
	mid	402	347	9269
	start	359	383	9382
	end	360	326	8776
	mid	344	344	9791
	start	370	536	9482
	end	349	399	9863
	mid	357	352	8977
file 2GiB	start	404	379	9277
	start	530	475	11221
	mid	441	492	11931
	end	427	313	8337
	start	355	371	8939
	mid	335	4518	9319
	end	519	512	8089
	start	335	292	8402
	mid	347	258	9175
	end	427	250	9371
file 2GiB	end	659	423	9679
	mid	479	468	23724
	start	378	365	10030
	end	370	293	8657
	mid	6292	288	8105
	start	633	276	8742
	end	343	252	8329
	mid	355	238	8969
	start	335	306	8892
	start	1002	1136	13639
file 16MiB	mid	428	3686	9970
	end	391	408	17170
	start	362	439	10198
	mid	341	350	9966
	end	379	295	11947
	start	502	307	9998
	mid	444	283	14266
	end	371	267	18451
	end	474	402	10396
	mid	422	348	16749
file 16MiB	start	368	259	10290
	end	406	254	9529
	mid	395	1469	10695
	start	405	299	9329
	end	340	321	9883
	mid	396	275	9710
	start	355	320	10051

byte-offset-read				
file 2GiB	start	495	445	9679
	mid	334	419	16682
	end	455	318	10399
	start	400	393	7584
	mid	340	4229	8935
	end	401	2980	8966
	start	335	293	9530
	mid	336	249	9673
	end	414	213	9199
file 2GiB	end	517	795	12595
	mid	439	510	17120
	start	369	468	9482
	end	383	426	9092
	mid	6538	410	8456
	start	445	341	8545
	end	502	375	9317
	mid	427	534	9339
	start	458	474	9261
file 16MiB	start	907	929	12343
	mid	426	350	9891
	end	366	302	10084
	start	379	247	8214
	mid	371	263	9206
	end	363	255	9722
	start	365	257	8249
	mid	372	239	13569
	end	363	238	9555
file 16MiB	end	501	385	10192
	mid	423	262	9931
	start	429	244	9578
	end	339	250	8483
	mid	367	252	9746
	start	401	238	9273
	end	366	235	9421
	mid	342	251	8363
	start	398	342	8930
file 2GiB	start	485	521	9516
	mid	367	436	28303
	end	376	279	10171
	start	384	360	9291
	mid	339	4716	8789
	end	425	419	8305
	start	399	243	9245
	mid	367	240	9052
	end	484	240	9069
file 2GiB	end	527	423	16475
	mid	359	311	9853
	start	391	274	9400
	end	355	255	24034
	mid	7160	257	9649
	start	560	274	8896
	end	532	276	10675
	mid	350	273	9689
	start	339	289	9178
file 16MiB	start	966	1238	13027
	mid	435	400	15119
	end	372	450	9785
	start	355	394	9414
	mid	353	409	9632
	end	364	369	10326
	start	366	1969	9387
	mid	359	387	14345
	end	348	3248	9577
file 16MiB	end	473	566	10138
	mid	444	317	9909
	start	406	339	16802
	end	366	335	9381

file 2GiB	mid	386	371	8994
	start	395	354	9067
	end	389	255	9487
	mid	372	310	9626
	start	384	304	8738
	start	516	530	9744
	mid	387	452	8289
	end	369	286	9097
	start	355	947	8714
	mid	350	7773	9007
file 2GiB	end	451	465	9566
	start	358	315	9512
	mid	343	216	7397
	end	469	202	9004
	end	546	404	10949
	mid	407	332	11533
	start	360	268	10122
	end	358	250	8547
	mid	6272	269	8674
	start	459	282	9219
file 16MiB	end	365	249	8981
	mid	345	248	8452
	start	499	294	8421
	start	978	1018	14551
	mid	389	397	10004
	end	381	466	9940
	start	536	401	9208
	mid	355	279	10066
	end	347	299	9768
	start	351	298	9897
file 16MiB	mid	346	279	12884
	end	414	274	8753
	end	478	430	10892
	mid	389	307	9825
	start	366	296	17931
	end	357	308	10109
	mid	362	318	9830
	start	372	295	17683
	end	347	265	9732
	mid	339	284	10443
file 2GiB	start	390	1643	19618
	start	480	512	9071
	mid	407	337	22102
	end	351	317	8117
	start	352	308	8164
	mid	345	6364	18412
	end	438	460	8907
	start	359	207	8486
	mid	347	198	10476
	end	511	194	9097
file 2GiB	end	573	470	9663
	mid	445	305	19393
	start	332	248	10116
	end	344	206	8253
	mid	6570	202	8467
	start	695	213	9091
	end	296	259	9109
	mid	317	362	9813
	start	281	491	8848
	start	979	1097	12130
file 16MiB	mid	424	378	24020
	end	377	321	12787
	start	355	236	8639
	mid	341	317	9924
	end	346	322	10003
	start	402	269	9447
	mid	389	258	12792

byte-offset-read				
file 16MiB	end	390	307	11775
	end	488	421	10572
	mid	444	374	9892
	start	390	316	10344
	end	406	317	9361
	mid	474	323	9931
	start	397	318	9871
	end	341	304	9205
	mid	351	238	9499
file 2GiB	start	442	387	9803
	start	512	517	10052
	mid	364	346	11459
	end	400	282	9930
	start	362	240	8554
	mid	338	4097	10025
	end	450	1425	9719
	start	373	725	8626
	mid	400	220	9728
file 2GiB	end	482	212	9545
	end	557	403	9578
	mid	479	296	8902
	start	370	260	8621
	end	405	320	9994
	mid	6513	302	8663
	start	466	373	8887
	end	425	351	8229
	mid	485	220	8969
	start	400	217	8126