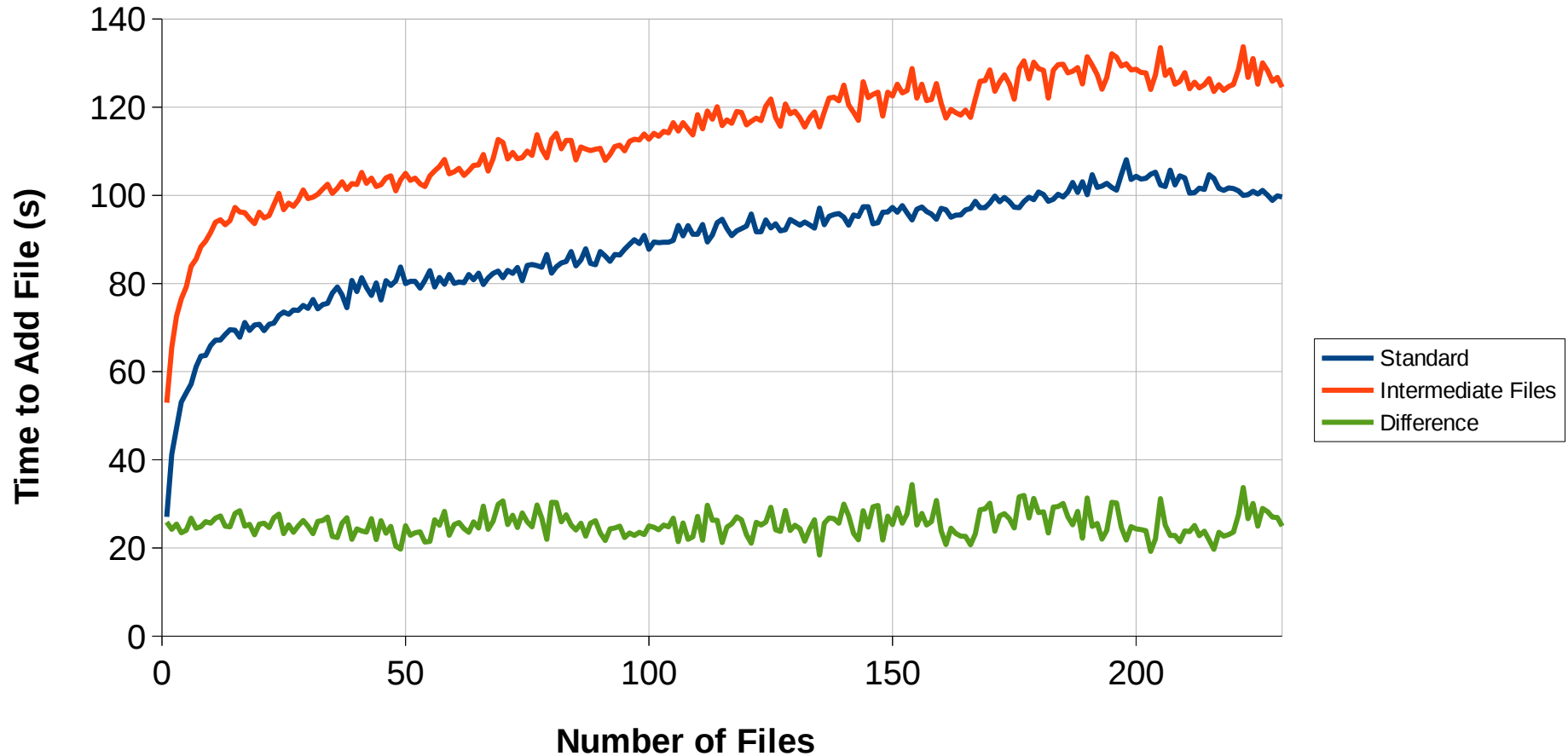# Reloading Freespace Blocks for Filebacked Workspaces (#6428)

	Filebacked - Fixed #6428	Filebacked - Original	MergeMD Files	Horace
Merge Time	09:20:26	09:32:27	02:15:15	01:10:23
Merged File Size	158.4 GB	310.1 GB	139.6 GB	156.2 GB
Bin (Hor cut nopix)	00:16:58	00:13:26	00:14:07	00:09:17
Bin filebacked	00:09:14	00:08:34	00:08:28	-
Slice (Hor - cut)	00:33:27	01:13:20	00:38:40	...long...
Slice filebacked	00:42:38	00:41:43	00:40:27	-

Data included in the Bins and Slices corresponds to approximately half the events in the file

Adding files One-by-One

- Adding 1.4 GB files, with a final file size of 158.1 GB (loading could be longer in a real example)

- Conversion RAW → NXSPE ~50s for this example

- Expected time available 4 – 10 minutes on MERLIN

Example MERLIN Autoreduce Script
(Based on Russell's Example Data)

```python
standard_vars = {
    'Minimum Extents' : '-3,-5,-4,-5.0',
    'Maximum Extents' : '5,2,4,30.0',
    'UB Matrix' : [2.87, 2.87, 2.87], # a, b, c
    'Run Range Starts' : [22413, 22581, 22596, 22656, 22716, 22776],
    'Run Range Ends' : [22458, 22595, 22655, 22715, 22775, 22810],
    'Psi Starts' : [0, -30, -29, -29.5, -28.5, -29.5],
    'Psi Increments' : [2],
}
advanced_vars = {
    'Number of Runs to Merge' : [],
    'Filenames' : [],
    'Save Intermediate' : True,
}
```

Should be obtained automatically from reduction RAW to NXspe?

Stats	Time (s)
Average	52.9
Max	60.2
Min	26.8
Standard Deviation	5.8