Fortify on Demand Security Review

Tenant:	US Department of the Air Force (USAF) - Offutt AFB
Application:	MET
Release:	met-10.0.0
Latest Analysis:	2021/05/17 06:27:33 PM
Latest Assessment Type:	Static+

Executive Summary

Tenant:	US Department of the Air Force (USAF) - Offutt AFB
Application:	MET
Release:	met-10.0.0
Business Criticality:	High
SDLC Status:	Production
Static Analysis Date:	2021/05/17
Dynamic Analysis Date:	---

Fortify on Demand Security Rating

★ ★ ★ ★

2 issues   Status: Failed

Static:	✔	Dynamic:	✖
Open Source:	✖	Monitoring:	✖

Risk Totals by Severity

1 High	1 Critical
0 Low	0 Medium

Impact (vertical axis) / Likelihood (horizontal axis)

Issue Status

New	Existing	Reopened
2	0	0

Assignment Status

Unassigned (100%)

Most Prevalent Issues by Category

Memory Leak (50%)
Buffer Overflow: Off-by-One (50%)

Developer Status

Open (100%)

Auditor Status

Pending Review (100%)
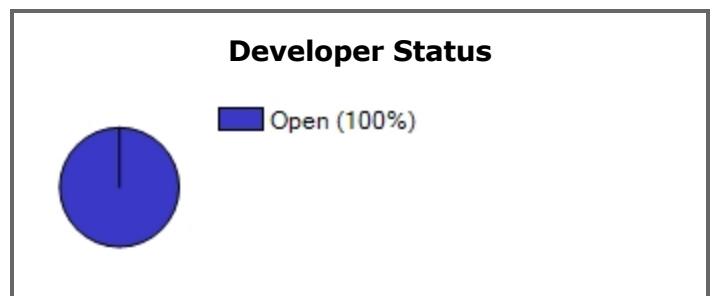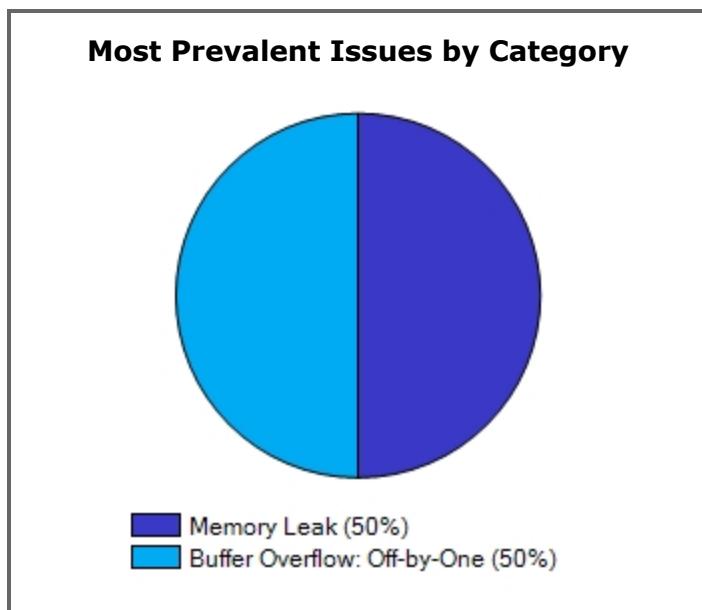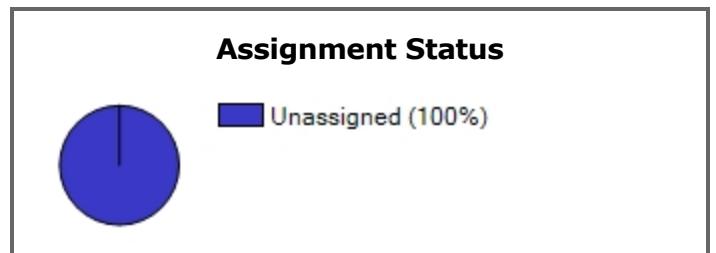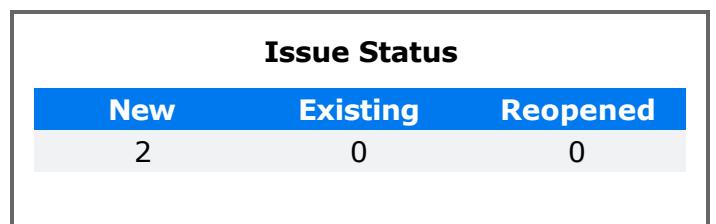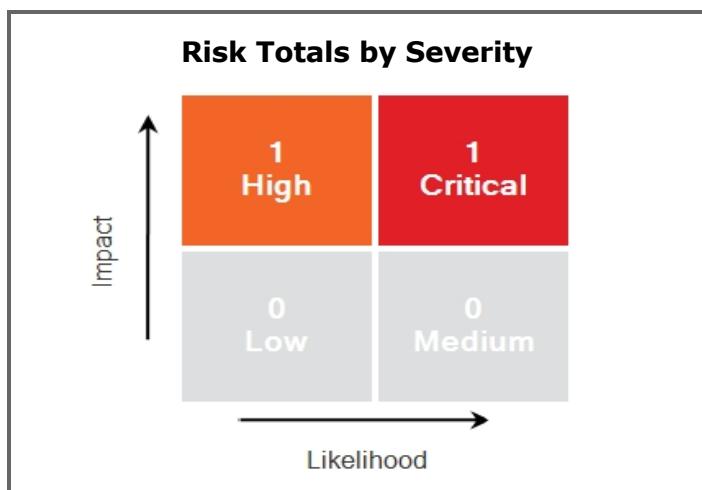
Issue Breakdown

Issues are divided based on their impact (potential damage) and likelihood (probability of identification and exploit).

High impact / high likelihood issues represent the highest priority and present the greatest threat.

Low impact / low likelihood issues are the lowest priority and present the smallest threat.

See Appendix for more information.

Rating	Category	Test Type	
Critical	Buffer Overflow: Off-by-One	Static	1
High	Memory Leak	Static	1

Issue Breakdown by OWASP Top 10 2017
PCI Sections 6.3, 6.5 & 6.6

The OWASP Top Ten represents a broad consensus about what the most critical web application security flaws are. Project members include a variety of security experts from around the world who have shared their expertise to produce this list.

The PCI compliance standards, particularly sections 6.3, 6.5, and 6.6, reference the OWASP Top Ten vulnerability categories as the core categories that must be tested for and remediated.

OWASP Category	Severity			
	Critical	High	Medium	Low
A1 - Injection	1			
A2 - Broken Authentication				
A3 - Sensitive Data Exposure				
A4 - XML External Entities (XXE)				
A5 - Broken Access Control				
A6 - Security Misconfiguration				
A7 - Cross-Site Scripting (XSS)				
A8 - Insecure Deserialization				
A9 - Using Components with Known …				
Total	1			

Issue Breakdown by Analysis Type

Issues are divided based on their impact (potential damage) and likelihood (probability of identification and exploit).

High impact / high likelihood issues represent the highest priority and present the greatest threat.

Low impact / low likelihood issues are the lowest priority and present the smallest threat.

See Appendix for more information.

Category	Static	Dynamic	Open S...	Monitor...
Buffer Overflow: Off-by-One	1	0	0	0
Memory Leak	1	0	0	0
Total	2	0	0	0

Issue Detail

Below is an enumeration of all issues found in the project. The issues are organized by priority and category and then broken down by the package, namespace, or location in which they occur.

The priority of an issue can be Critical, High, Medium, or Low.

Issues from static analysis reported on at same line number with the same category originate from different taint sources.

6.1.1 Buffer Overflow: Off-by-One   **Critical**

CWE-787, CWE-131, CWE-129, CWE-805, CWE-193
OWASP Top 10: A1
PCI 3.2: 6.5.2 Buffer Overflows

Summary

The function **add_filter()** in **renderinfo.cc** writes one location past the bounds of **Filter** on line **169**, which could corrupt data, cause the program to crash, or lead to the execution of malicious code.The program writes just past the bounds of allocated memory, which could corrupt data, crash the program, or lead to the execution of malicious code.

Explanation

Buffer overflow is probably the best known form of software security vulnerability. Most software developers know what a buffer overflow vulnerability is, but buffer overflow attacks against both legacy and newly-developed applications are still quite common. Part of the problem is due to the wide variety of ways buffer overflows can occur, and part is due to the error-prone techniques often used to prevent them.
In a classic buffer overflow exploit, the attacker sends data to a program, which it stores in an undersized stack buffer. The result is that information on the call stack is overwritten, including the function's return pointer. The data sets the value of the return pointer so that when the function returns, it transfers control to malicious code contained in the attacker's data.

Although this type of off-by-one error is still common on some platforms and in some development communities, there are a variety of other types of buffer overflow, including stack and heap buffer overflows among others. There are a number of excellent books that provide detailed information on how buffer overflow attacks work, including Building Secure Software [1], Writing Secure Code [2], and The Shellcoder's Handbook [3].

At the code level, buffer overflow vulnerabilities usually involve the violation of a programmer's assumptions. Many memory manipulation functions in C and C++ do not perform bounds checking and can easily exceed the allocated bounds of the buffers they operate upon. Even bounded functions, such as `strncpy()`, can cause vulnerabilities when used incorrectly. The combination of memory manipulation and mistaken assumptions about the size or makeup of a piece of data is the root cause of most buffer overflows.

Example: The following code contains an off-by-one buffer overflow, which occurs when `recv` returns the maximum allowed `sizeof(buf)` bytes read. In this case, the subsequent dereference of `buf[nbytes]` will write the null byte outside the bounds of allocated memory.

```
void receive(int socket) {
char buf[MAX];
int nbytes = recv(socket, buf, sizeof(buf), 0);
buf[nbytes] = '\0';
...
}
```

Execution

1. On Windows, less secure functions like `memcpy()` can be replaced with their more secure versions, such as `memcpy_s()`. However, this still needs to be done with caution. Because parameter validation provided by the `_s` family of functions varies, relying on it can lead to unexpected behavior. Furthermore, incorrectly specifying the size of the destination buffer can still result in buffer overflows.

Recommendation

Although the careful use of bounded functions can greatly reduce the risk of buffer overflow, this migration cannot be done blindly and does not go far enough on its own to ensure security. Whenever you manipulate memory, especially strings, remember that buffer overflow vulnerabilities typically occur in code that:
- Relies on external data to control its behavior.

- Depends upon properties of the data that are enforced outside of the immediate scope of the code.

- Is so complex that a programmer cannot accurately predict its behavior.

Additionally, consider the following principles:

- Never trust an external source to provide correct control information to a memory operation.

- Never trust that properties about the data your program is manipulating will be maintained throughout the program. Sanity check data before you operate on it.

- Limit the complexity of memory manipulation and bounds-checking code. Keep it simple and clearly document the checks you perform, the assumptions that you test, and what the expected behavior of the program is in the case that input validation fails.

- When input data is too large, be leery of truncating the data and continuing to process it. Truncation can change the meaning of the input.

- Do not rely on tools, such as StackGuard, or non-executable stacks to prevent buffer overflow vulnerabilities. These approaches do not address heap buffer overflows and the more subtle stack overflows that can change the contents of variables that control the program. Additionally, many of these approaches are easily defeated, and even when they are working properly, they address the symptom of the problem and not its cause.

References

1. Building Secure Software, J. Viega, G. McGraw
2. Writing Secure Code, Second Edition, M. Howard, D. LeBlanc
3. The Shellcoder's Handbook: Discovering and Exploiting Security Holes, J. Koziol et al.
4. CWE ID 787, CWE ID 193, CWE ID 805, CWE ID 129, CWE ID 131, Standards Mapping - Common Weakness Enumeration

5. [1] CWE ID 119, [3] CWE ID 020, [12] CWE ID 787, Standards Mapping - Common Weakness Enumeration Top 25 2019
6. [5] CWE ID 119, [3] CWE ID 020, [2] CWE ID 787, Standards Mapping - Common Weakness Enumeration Top 25 2020
7. CCI-002824, Standards Mapping - DISA Control Correlation Identifier Version 2
8. Indirect Access to Sensitive Data, Standards Mapping - General Data Protection Regulation
9. Rule 1.3, Standards Mapping - MISRA C 2012
10. Rule 0-3-1, Rule 18-0-5, Standards Mapping - MISRA C++ 2008
11. SI-16 Memory Protection (P1), Standards Mapping - NIST Special Publication 800-53 Revision 4
12. SI-16 Memory Protection, Standards Mapping - NIST Special Publication 800-53 Revision 5
13. 5.1.3 Input Validation Requirements, 5.1.4 Input Validation Requirements, Standards Mapping - OWASP Application Security Verification Standard 4.0
14. M7 Client Side Injection, Standards Mapping - OWASP Mobile Top 10 Risks 2014
15. A5 Buffer Overflow, Standards Mapping - OWASP Top 10 2004
16. A1 Injection, Standards Mapping - OWASP Top 10 2013
17. A1 Injection, Standards Mapping - OWASP Top 10 2017
18. Requirement 6.5.5, Standards Mapping - Payment Card Industry Data Security Standard Version 1.1
19. Requirement 6.3.1.1, Standards Mapping - Payment Card Industry Data Security Standard Version 1.2
20. Requirement 6.5.2, Standards Mapping - Payment Card Industry Data Security Standard Version 2.0
21. Requirement 6.5.2, Standards Mapping - Payment Card Industry Data Security Standard Version 3.0
22. Requirement 6.5.2, Standards Mapping - Payment Card Industry Data Security Standard Version 3.1
23. Requirement 6.5.2, Standards Mapping - Payment Card Industry Data Security Standard Version 3.2
24. Requirement 6.5.2, Standards Mapping - Payment Card Industry Data Security Standard Version 3.2.1
25. Control Objective 4.2 - Critical Asset Protection, Standards Mapping - Payment Card Industry Software Security Framework 1.0
26. Risky Resource Management - CWE ID 119, Standards Mapping - SANS Top 25 2009
27. Risky Resource Management - CWE ID 805, Risky Resource Management - CWE ID 129, Risky Resource Management - CWE ID 131, Standards Mapping - SANS Top 25 2010
28. Risky Resource Management - CWE ID 131, Standards Mapping - SANS Top 25 2011
29. APP3510 CAT I, APP3590.1 CAT I, Standards Mapping - Security Technical Implementation Guide Version 3.1
30. APP3510 CAT I, APP3590.1 CAT I, Standards Mapping - Security Technical Implementation Guide Version 3.10
31. APP3510 CAT I, APP3590.1 CAT I, Standards Mapping - Security Technical Implementation Guide Version 3.4
32. APP3510 CAT I, APP3590.1 CAT I, Standards Mapping - Security Technical Implementation Guide Version 3.5
33. APP3510 CAT I, APP3590.1 CAT I, Standards Mapping - Security Technical Implementation Guide Version 3.6
34. APP3510 CAT I, APP3590.1 CAT I, Standards Mapping - Security Technical Implementation Guide Version 3.7
35. APP3510 CAT I, APP3590.1 CAT I, Standards Mapping - Security Technical Implementation Guide Version 3.9
36. APSC-DV-002590 CAT I, Standards Mapping - Security Technical Implementation Guide Version 4.1
37. APSC-DV-002590 CAT I, Standards Mapping - Security Technical Implementation Guide Version 4.10

38. APSC-DV-002590 CAT I, Standards Mapping - Security Technical Implementation Guide Version 4.11
39. APSC-DV-002590 CAT I, Standards Mapping - Security Technical Implementation Guide Version 4.2
40. APSC-DV-002590 CAT I, Standards Mapping - Security Technical Implementation Guide Version 4.3
41. APSC-DV-002590 CAT I, Standards Mapping - Security Technical Implementation Guide Version 4.4
42. APSC-DV-002590 CAT I, Standards Mapping - Security Technical Implementation Guide Version 4.5
43. APSC-DV-002590 CAT I, Standards Mapping - Security Technical Implementation Guide Version 4.6
44. APSC-DV-002590 CAT I, Standards Mapping - Security Technical Implementation Guide Version 4.7
45. APSC-DV-002590 CAT I, Standards Mapping - Security Technical Implementation Guide Version 4.8
46. APSC-DV-002590 CAT I, Standards Mapping - Security Technical Implementation Guide Version 4.9
47. APSC-DV-002590 CAT I, Standards Mapping - Security Technical Implementation Guide Version 5.1
48. Buffer Overflow, Standards Mapping - Web Application Security Consortium 24 + 2
49. Buffer Overflow (WASC-07), Standards Mapping - Web Application Security Consortium Version 2.00

Instances

Buffer Overflow: Off-by-One Critical

Package: N/A

Instance	Analysis Info	Analyzer
ID 2631031 - src/libcode /vx_render/renderinfo.cc:169	**Sink:** .RenderInfo.add_filter **EnclosingMethod:** add_filter	buffer

6.2.1 Memory Leak   High

CWE-401
OWASP Top 10:
PCI 3.2: 6.5.6 High Risk Vulnerabilities

Summary

The function **open()** in **nccf_file.cc** allocates memory on line **346** and fails to free it. Memory is allocated but never freed.

Explanation

Memory leaks have two common and sometimes overlapping causes:
- Error conditions and other exceptional circumstances.

- Confusion over which part of the program is responsible for freeing the memory.
In this case the memory allocated in **nccf_file.cc** at line **346** is not always freed or returned by the function.

Most memory leaks result in general software reliability problems, but if an attacker can intentionally trigger a memory leak, the attacker may be able to launch a denial of service attack (by crashing the program) or take advantage of other unexpected program behavior resulting from a low memory condition [1].

Example 1: The following C function leaks a block of allocated memory if the call to `read()` fails to return the expected number of bytes:

```
char* getBlock(int fd) {
char* buf = (char*) malloc(BLOCK_SIZE);
if (!buf) {
return NULL;
}
if (read(fd, buf, BLOCK_SIZE) != BLOCK_SIZE) {
return NULL;
}
return buf;
}
```

Execution

1. Managed pointer objects, such as C++ auto_ptr and Boost smart pointers, are used to ensure that referenced memory allocations are freed. However, memory leaks can still occur when auto_ptrs or certain types of Boost smart pointers are used to reference arrays, Boost array pointers reference individual objects, and the auto_ptr release method is used.

Recommendation

Because memory leaks can be difficult to track down, you should establish a set of memory management patterns and idioms for your software. Do not tolerate deviations from your conventions.
One good pattern for addressing the error handling mistake in the example is to use forward-reaching `goto` statements so that the function has a single well-defined region for handling errors, as follows:

```
char* getBlock(int fd) {
char* buf = (char*) malloc(BLOCK_SIZE);
if (!buf) {
goto ERR;
}
if (read(fd, buf, BLOCK_SIZE) != BLOCK_SIZE) {
goto ERR;
}
return buf;

ERR:
if (buf) {
free(buf);
}
return NULL;
}
```

References

1. How to Break Software Security, J. Whittaker and H. Thompson
2. CWE ID 401, Standards Mapping - Common Weakness Enumeration
3. CCI-001094, Standards Mapping - DISA Control Correlation Identifier Version 2
4. Indirect Access to Sensitive Data, Standards Mapping - General Data Protection Regulation
5. Rule 21.3, Standards Mapping - MISRA C 2012
6. Rule 18-4-1, Standards Mapping - MISRA C++ 2008
7. SC-5 Denial of Service Protection (P1), Standards Mapping - NIST Special Publication 800-53 Revision 4
8. SC-5 Denial of Service Protection, Standards Mapping - NIST Special Publication 800-53 Revision 5
9. A9 Application Denial of Service, Standards Mapping - OWASP Top 10 2004
10. Requirement 6.5.9, Standards Mapping - Payment Card Industry Data Security Standard Version 1.1
11. Requirement 6.5.6, Standards Mapping - Payment Card Industry Data Security Standard Version 3.0
12. Requirement 6.5.6, Standards Mapping - Payment Card Industry Data Security Standard Version 3.1
13. Requirement 6.5.6, Standards Mapping - Payment Card Industry Data Security Standard Version 3.2
14. Requirement 6.5.6, Standards Mapping - Payment Card Industry Data Security Standard Version 3.2.1
15. Control Objective 4.2 - Critical Asset Protection, Standards Mapping - Payment Card Industry Software Security Framework 1.0
16. APP6080 CAT II, Standards Mapping - Security Technical Implementation Guide Version 3.1
17. APP6080 CAT II, Standards Mapping - Security Technical Implementation Guide Version 3.10
18. APP6080 CAT II, Standards Mapping - Security Technical Implementation Guide Version 3.4
19. APP6080 CAT II, Standards Mapping - Security Technical Implementation Guide Version 3.5
20. APP6080 CAT II, Standards Mapping - Security Technical Implementation Guide Version 3.6
21. APP6080 CAT II, Standards Mapping - Security Technical Implementation Guide Version 3.7
22. APP6080 CAT II, Standards Mapping - Security Technical Implementation Guide Version 3.9
23. APSC-DV-002400 CAT II, Standards Mapping - Security Technical Implementation Guide Version 4.1
24. APSC-DV-002400 CAT II, Standards Mapping - Security Technical Implementation Guide Version 4.10

25. APSC-DV-002400 CAT II, Standards Mapping - Security Technical Implementation Guide Version 4.11
26. APSC-DV-002400 CAT II, Standards Mapping - Security Technical Implementation Guide Version 4.2
27. APSC-DV-002400 CAT II, Standards Mapping - Security Technical Implementation Guide Version 4.3
28. APSC-DV-002400 CAT II, Standards Mapping - Security Technical Implementation Guide Version 4.4
29. APSC-DV-002400 CAT II, Standards Mapping - Security Technical Implementation Guide Version 4.5
30. APSC-DV-002400 CAT II, Standards Mapping - Security Technical Implementation Guide Version 4.6
31. APSC-DV-002400 CAT II, Standards Mapping - Security Technical Implementation Guide Version 4.7
32. APSC-DV-002400 CAT II, Standards Mapping - Security Technical Implementation Guide Version 4.8
33. APSC-DV-002400 CAT II, Standards Mapping - Security Technical Implementation Guide Version 4.9
34. APSC-DV-002400 CAT II, Standards Mapping - Security Technical Implementation Guide Version 5.1
35. Denial of Service, Standards Mapping - Web Application Security Consortium 24 + 2
36. Denial of Service (WASC-10), Standards Mapping - Web Application Security Consortium Version 2.00

Instances

Memory Leak   **High**

Package: N/A		
Instance	Analysis Info	Analyzer
ID 2631030 - src/libcode /vx_data2d_nccf/nccf_file.cc:346	**Sink:** .NcCfFile.open **EnclosingMethod:** open	controlfl…

Static File Listing

The static file listing displays all files scanned by the SCA scanner.

Filename	Size (bytes)	Modified Date
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	2185	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	7373	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	1579	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	5965	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	2463	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	11136	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	8607	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	6957	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	1813	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	1577	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	6802	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	1149	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	6791	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	3043	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	4183	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	16262	2020/01/14
/d1/projects/MET/MET_releases/external_libs/gnu_6.3.0/in…	96239	2020/01/14
/usr/include/_G_config.h	1287	2019/02/06
/usr/include/alloca.h	1203	2019/02/06
/usr/include/asm-generic/errno.h	5585	2021/03/08
/usr/include/asm-generic/errno-base.h	1549	2021/03/08
/usr/include/asm-generic/param.h	290	2021/03/08
/usr/include/assert.h	3583	2019/02/06
/usr/include/c++/6/algorithm	2518	2018/02/14
/usr/include/c++/6/array	10075	2018/02/14
/usr/include/c++/6/backward/auto_ptr.h	10514	2018/02/14
/usr/include/c++/6/backward/binders.h	7167	2018/02/14
/usr/include/c++/6/bits/algorithmfwd.h	21534	2018/02/14
/usr/include/c++/6/bits/alloc_traits.h	19585	2018/02/14
/usr/include/c++/6/bits/allocated_ptr.h	3501	2018/02/14
/usr/include/c++/6/bits/allocator.h	6923	2018/02/14
/usr/include/c++/6/bits/atomic_base.h	23970	2018/02/14

Filename	Size (bytes)	Modified Date
/usr/include/c++/6/bits/atomic_lockfree_defines.h	2253	2018/02/14
/usr/include/c++/6/bits/basic_ios.h	16075	2018/02/14
/usr/include/c++/6/bits/basic_ios.tcc	6032	2018/02/14
/usr/include/c++/6/bits/basic_string.h	208701	2018/02/14
/usr/include/c++/6/bits/basic_string.tcc	51796	2018/02/14
/usr/include/c++/6/bits/char_traits.h	17978	2018/02/14
/usr/include/c++/6/bits/codecvt.h	21297	2018/02/14
/usr/include/c++/6/bits/concept_check.h	3423	2018/02/14
/usr/include/c++/6/bits/cpp_type_traits.h	9594	2018/02/14
/usr/include/c++/6/bits/cxxabi_forced.h	1811	2018/02/14
/usr/include/c++/6/bits/deque.tcc	33680	2018/02/14
/usr/include/c++/6/bits/exception_defines.h	1645	2018/02/14
/usr/include/c++/6/bits/exception_ptr.h	5735	2018/02/14
/usr/include/c++/6/bits/fstream.tcc	32867	2018/02/14
/usr/include/c++/6/bits/functexcept.h	3254	2018/02/14
/usr/include/c++/6/bits/functional_hash.h	7669	2018/02/14
/usr/include/c++/6/bits/hash_bytes.h	2146	2018/02/14
/usr/include/c++/6/bits/ios_base.h	30941	2018/02/14
/usr/include/c++/6/bits/istream.tcc	30933	2018/02/14
/usr/include/c++/6/bits/list.tcc	15460	2018/02/14
/usr/include/c++/6/bits/locale_classes.h	24897	2018/02/14
/usr/include/c++/6/bits/locale_classes.tcc	8375	2018/02/14
/usr/include/c++/6/bits/locale_conv.h	16063	2018/02/14
/usr/include/c++/6/bits/locale_facets.h	92086	2018/02/14
/usr/include/c++/6/bits/locale_facets.tcc	39568	2018/02/14
/usr/include/c++/6/bits/locale_facets_nonio.h	68941	2018/02/14
/usr/include/c++/6/bits/locale_facets_nonio.tcc	45141	2018/02/14
/usr/include/c++/6/bits/localefwd.h	5646	2018/02/14
/usr/include/c++/6/bits/memoryfwd.h	2419	2018/02/14
/usr/include/c++/6/bits/move.h	6340	2018/02/14
/usr/include/c++/6/bits/nested_exception.h	4931	2018/02/14
/usr/include/c++/6/bits/ostream.tcc	12315	2018/02/14
/usr/include/c++/6/bits/ostream_insert.h	4002	2018/02/14
/usr/include/c++/6/bits/postypes.h	8208	2018/02/14
/usr/include/c++/6/bits/predefined_ops.h	7971	2018/02/14

Filename	Size (bytes)	Modified Date
/usr/include/c++/6/bits/ptr_traits.h	4860	2018/02/14
/usr/include/c++/6/bits/quoted_string.h	4581	2018/02/14
/usr/include/c++/6/bits/range_access.h	9540	2018/02/14
/usr/include/c++/6/bits/shared_ptr.h	20255	2018/02/14
/usr/include/c++/6/bits/shared_ptr_atomic.h	9769	2018/02/14
/usr/include/c++/6/bits/shared_ptr_base.h	45675	2018/02/14
/usr/include/c++/6/bits/sstream.tcc	9490	2018/02/14
/usr/include/c++/6/bits/stl_algo.h	205236	2018/02/14
/usr/include/c++/6/bits/stl_algobase.h	50403	2018/02/14
/usr/include/c++/6/bits/stl_bvector.h	33474	2018/02/14
/usr/include/c++/6/bits/stl_construct.h	5170	2018/02/14
/usr/include/c++/6/bits/stl_deque.h	77992	2018/02/14
/usr/include/c++/6/bits/stl_function.h	33276	2018/02/14
/usr/include/c++/6/bits/stl_heap.h	19205	2018/02/14
/usr/include/c++/6/bits/stl_iterator.h	40335	2018/02/14
/usr/include/c++/6/bits/stl_iterator_base_funcs.h	7870	2018/02/14
/usr/include/c++/6/bits/stl_iterator_base_types.h	8657	2018/02/14
/usr/include/c++/6/bits/stl_list.h	65563	2018/02/14
/usr/include/c++/6/bits/stl_map.h	50635	2018/02/14
/usr/include/c++/6/bits/stl_multimap.h	37981	2018/02/14
/usr/include/c++/6/bits/stl_multiset.h	31929	2018/02/14
/usr/include/c++/6/bits/stl_pair.h	17594	2018/02/14
/usr/include/c++/6/bits/stl_raw_storage_iter.h	3830	2018/02/14
/usr/include/c++/6/bits/stl_relops.h	4599	2018/02/14
/usr/include/c++/6/bits/stl_set.h	32185	2018/02/14
/usr/include/c++/6/bits/stl_tempbuf.h	8344	2018/02/14
/usr/include/c++/6/bits/stl_tree.h	69493	2018/02/14
/usr/include/c++/6/bits/stl_uninitialized.h	21895	2018/02/14
/usr/include/c++/6/bits/stl_vector.h	53655	2018/02/14
/usr/include/c++/6/bits/streambuf.tcc	4929	2018/02/14
/usr/include/c++/6/bits/streambuf_iterator.h	12624	2018/02/14
/usr/include/c++/6/bits/stringfwd.h	2607	2018/02/14
/usr/include/c++/6/bits/uniform_int_dist.h	9962	2018/02/14
/usr/include/c++/6/bits/unique_ptr.h	24943	2018/02/14
/usr/include/c++/6/bits/uses_allocator.h	3764	2018/02/14

Filename	Size (bytes)	Modified Date
/usr/include/c++/6/bits/vector.tcc	27050	2018/02/14
/usr/include/c++/6/cctype	2409	2018/02/14
/usr/include/c++/6/cerrno	1770	2018/02/14
/usr/include/c++/6/clocale	1905	2018/02/14
/usr/include/c++/6/cmath	47676	2018/02/14
/usr/include/c++/6/cstdint	2167	2018/02/14
/usr/include/c++/6/cstdio	4439	2018/02/14
/usr/include/c++/6/cstdlib	6878	2018/02/14
/usr/include/c++/6/cstring	3123	2018/02/14
/usr/include/c++/6/ctime	2125	2018/02/14
/usr/include/c++/6/cwchar	6509	2018/02/14
/usr/include/c++/6/cwctype	2793	2018/02/14
/usr/include/c++/6/debug/assertions.h	1770	2018/02/14
/usr/include/c++/6/debug/debug.h	5926	2018/02/14
/usr/include/c++/6/deque	2665	2018/02/14
/usr/include/c++/6/exception	5784	2018/02/14
/usr/include/c++/6/ext/aligned_buffer.h	3742	2018/02/14
/usr/include/c++/6/ext/alloc_traits.h	5658	2018/02/14
/usr/include/c++/6/ext/atomicity.h	3509	2018/02/14
/usr/include/c++/6/ext/concurrence.h	7611	2018/02/14
/usr/include/c++/6/ext/new_allocator.h	4436	2018/02/14
/usr/include/c++/6/ext/numeric_traits.h	4575	2018/02/14
/usr/include/c++/6/ext/string_conversions.h	3368	2018/02/14
/usr/include/c++/6/ext/type_traits.h	5914	2018/02/14
/usr/include/c++/6/fstream	33851	2018/02/14
/usr/include/c++/6/functional	70417	2018/02/14
/usr/include/c++/6/initializer_list	2974	2018/02/14
/usr/include/c++/6/iomanip	16196	2018/02/14
/usr/include/c++/6/ios	1601	2018/02/14
/usr/include/c++/6/iosfwd	6919	2018/02/14
/usr/include/c++/6/iostream	2695	2018/02/14
/usr/include/c++/6/istream	30941	2018/02/14
/usr/include/c++/6/limits	69375	2018/02/14
/usr/include/c++/6/list	2594	2018/02/14
/usr/include/c++/6/locale	1488	2018/02/14

Filename	Size (bytes)	Modified Date
/usr/include/c++/6/map	2559	2018/02/14
/usr/include/c++/6/math.h	4380	2018/02/14
/usr/include/c++/6/memory	4735	2018/02/14
/usr/include/c++/6/new	5298	2018/02/14
/usr/include/c++/6/ostream	20261	2018/02/14
/usr/include/c++/6/set	2559	2018/02/14
/usr/include/c++/6/sstream	26369	2018/02/14
/usr/include/c++/6/stdexcept	7988	2018/02/14
/usr/include/c++/6/stdlib.h	2248	2018/02/14
/usr/include/c++/6/streambuf	29558	2018/02/14
/usr/include/c++/6/string	1943	2018/02/14
/usr/include/c++/6/system_error	10854	2018/02/14
/usr/include/c++/6/tuple	56217	2018/02/14
/usr/include/c++/6/type_traits	76103	2018/02/14
/usr/include/c++/6/typeinfo	7685	2018/02/14
/usr/include/c++/6/utility	10587	2018/02/14
/usr/include/c++/6/vector	2748	2018/02/14
/usr/include/cairo/cairo.h	109757	2021/01/05
/usr/include/cairo/cairo-deprecated.h	8698	2021/01/05
/usr/include/cairo/cairo-features.h	1462	2021/01/05
/usr/include/cairo/cairo-svg.h	2823	2021/01/05
/usr/include/cairo/cairo-version.h	148	2021/01/05
/usr/include/crypt.h	2259	2019/02/06
/usr/include/ctype.h	11652	2019/02/06
/usr/include/dirent.h	12484	2019/02/06
/usr/include/endian.h	2939	2019/02/06
/usr/include/errno.h	2367	2019/02/06
/usr/include/fcntl.h	9466	2019/02/06
/usr/include/features.h	13069	2019/02/06
/usr/include/freetype2/freetype/config/ftconfig.h	19663	2020/10/23
/usr/include/freetype2/freetype/config/ftheader.h	25995	2020/10/23
/usr/include/freetype2/freetype/config/ftoption.h	52844	2020/10/23
/usr/include/freetype2/freetype/config/ftstdlib.h	7234	2020/10/23
/usr/include/freetype2/freetype/freetype.h	271451	2020/10/23
/usr/include/freetype2/freetype/fterrors.h	11369	2020/10/23

Filename	Size (bytes)	Modified Date
/usr/include/freetype2/freetype/ftimage.h	76461	2020/10/23
/usr/include/freetype2/freetype/ftmoderr.h	10417	2020/10/23
/usr/include/freetype2/freetype/ftoutln.h	35115	2020/10/23
/usr/include/freetype2/freetype/ftsystem.h	10555	2020/10/23
/usr/include/freetype2/freetype/fttypes.h	35681	2020/10/23
/usr/include/freetype2/ft2build.h	2383	2020/10/23
/usr/include/inttypes.h	11892	2019/02/06
/usr/include/libgen.h	1385	2019/02/06
/usr/include/libintl.h	4579	2019/02/06
/usr/include/libio.h	17179	2019/02/06
/usr/include/limits.h	4489	2019/02/06
/usr/include/linux/limits.h	874	2021/03/08
/usr/include/linux/param.h	78	2021/03/08
/usr/include/locale.h	7941	2019/02/06
/usr/include/math.h	18371	2019/02/06
/usr/include/pthread.h	41225	2019/02/06
/usr/include/regex.h	22049	2019/02/06
/usr/include/sched.h	4659	2019/02/06
/usr/include/setjmp.h	3774	2019/02/06
/usr/include/signal.h	12221	2019/02/06
/usr/include/stdint.h	8094	2019/02/06
/usr/include/stdio.h	31494	2019/02/06
/usr/include/stdlib.h	32664	2019/02/06
/usr/include/string.h	22617	2019/02/06
/usr/include/strings.h	4614	2019/02/06
/usr/include/time.h	13543	2019/02/06
/usr/include/unistd.h	42445	2019/02/06
/usr/include/wchar.h	32124	2019/02/06
/usr/include/wctype.h	11130	2019/02/06
/usr/include/x86_64-linux-gnu/asm/unistd.h	296	2021/03/08
/usr/include/x86_64-linux-gnu/asm/unistd_64.h	8870	2021/03/08
/usr/include/x86_64-linux-gnu/bits/byteswap.h	5664	2019/02/06
/usr/include/x86_64-linux-gnu/bits/byteswap-16.h	1731	2019/02/06
/usr/include/x86_64-linux-gnu/bits/confname.h	23708	2019/02/06
/usr/include/x86_64-linux-gnu/bits/dirent.h	1728	2019/02/06

Filename	Size (bytes)	Modified Date
/usr/include/x86_64-linux-gnu/bits/endian.h	176	2019/02/06
/usr/include/x86_64-linux-gnu/bits/environments.h	3790	2019/02/06
/usr/include/x86_64-linux-gnu/bits/errno.h	2145	2019/02/06
/usr/include/x86_64-linux-gnu/bits/fcntl.h	2245	2019/02/06
/usr/include/x86_64-linux-gnu/bits/fcntl-linux.h	13879	2019/02/06
/usr/include/x86_64-linux-gnu/bits/huge_val.h	1840	2019/02/06
/usr/include/x86_64-linux-gnu/bits/huge_valf.h	1800	2019/02/06
/usr/include/x86_64-linux-gnu/bits/huge_vall.h	1574	2019/02/06
/usr/include/x86_64-linux-gnu/bits/inf.h	1061	2019/02/06
/usr/include/x86_64-linux-gnu/bits/libm-simd-decl-stubs.h	1818	2019/02/06
/usr/include/x86_64-linux-gnu/bits/local_lim.h	3184	2019/02/06
/usr/include/x86_64-linux-gnu/bits/locale.h	1367	2019/02/06
/usr/include/x86_64-linux-gnu/bits/mathcalls.h	12241	2019/02/06
/usr/include/x86_64-linux-gnu/bits/mathdef.h	2189	2019/02/06
/usr/include/x86_64-linux-gnu/bits/nan.h	1567	2019/02/06
/usr/include/x86_64-linux-gnu/bits/param.h	1432	2019/02/06
/usr/include/x86_64-linux-gnu/bits/posix_opt.h	5705	2019/02/06
/usr/include/x86_64-linux-gnu/bits/posix1_lim.h	4922	2019/02/06
/usr/include/x86_64-linux-gnu/bits/posix2_lim.h	2866	2019/02/06
/usr/include/x86_64-linux-gnu/bits/pthreadtypes.h	6741	2019/02/06
/usr/include/x86_64-linux-gnu/bits/sched.h	7561	2019/02/06
/usr/include/x86_64-linux-gnu/bits/select.h	2105	2019/02/06
/usr/include/x86_64-linux-gnu/bits/setjmp.h	1286	2019/02/06
/usr/include/x86_64-linux-gnu/bits/sigaction.h	2818	2019/02/06
/usr/include/x86_64-linux-gnu/bits/sigcontext.h	4174	2019/02/06
/usr/include/x86_64-linux-gnu/bits/siginfo.h	10781	2019/02/06
/usr/include/x86_64-linux-gnu/bits/signum.h	3397	2019/02/06
/usr/include/x86_64-linux-gnu/bits/sigset.h	4553	2019/02/06
/usr/include/x86_64-linux-gnu/bits/sigstack.h	1527	2019/02/06
/usr/include/x86_64-linux-gnu/bits/sigthread.h	1657	2019/02/06
/usr/include/x86_64-linux-gnu/bits/stat.h	7619	2019/02/06
/usr/include/x86_64-linux-gnu/bits/stdio_lim.h	1354	2019/02/06
/usr/include/x86_64-linux-gnu/bits/syscall.h	37843	2019/02/06
/usr/include/x86_64-linux-gnu/bits/time.h	3465	2019/02/06
/usr/include/x86_64-linux-gnu/bits/timex.h	4556	2019/02/06

Filename	Size (bytes)	Modified Date
/usr/include/x86_64-linux-gnu/bits/types.h	7563	2019/02/06
/usr/include/x86_64-linux-gnu/bits/typesizes.h	3276	2019/02/06
/usr/include/x86_64-linux-gnu/bits/uio.h	2461	2019/02/06
/usr/include/x86_64-linux-gnu/bits/waitflags.h	2140	2019/02/06
/usr/include/x86_64-linux-gnu/bits/waitstatus.h	2286	2019/02/06
/usr/include/x86_64-linux-gnu/bits/wchar.h	1905	2019/02/06
/usr/include/x86_64-linux-gnu/bits/wordsize.h	327	2019/02/06
/usr/include/x86_64-linux-gnu/bits/xopen_lim.h	3813	2019/02/06
/usr/include/x86_64-linux-gnu/c++/6/bits/atomic_word.h	1519	2018/02/14
/usr/include/x86_64-linux-gnu/c++/6/bits/basic_file.h	3453	2018/02/14
/usr/include/x86_64-linux-gnu/c++/6/bits/c++allocator.h	1849	2018/02/14
/usr/include/x86_64-linux-gnu/c++/6/bits/c++config.h	55906	2018/02/14
/usr/include/x86_64-linux-gnu/c++/6/bits/c++io.h	1608	2018/02/14
/usr/include/x86_64-linux-gnu/c++/6/bits/c++locale.h	3307	2018/02/14
/usr/include/x86_64-linux-gnu/c++/6/bits/cpu_defines.h	1333	2018/02/14
/usr/include/x86_64-linux-gnu/c++/6/bits/ctype_base.h	2316	2018/02/14
/usr/include/x86_64-linux-gnu/c++/6/bits/error_constant…	5177	2018/02/14
/usr/include/x86_64-linux-gnu/c++/6/bits/gthr.h	5608	2018/02/14
/usr/include/x86_64-linux-gnu/c++/6/bits/gthr-default.h	24237	2018/02/14
/usr/include/x86_64-linux-gnu/c++/6/bits/os_defines.h	2007	2018/02/14
/usr/include/x86_64-linux-gnu/gnu/stubs-64.h	613	2019/02/06
/usr/include/x86_64-linux-gnu/sys/cdefs.h	15651	2019/02/06
/usr/include/x86_64-linux-gnu/sys/file.h	1721	2019/02/06
/usr/include/x86_64-linux-gnu/sys/param.h	3148	2019/02/06
/usr/include/x86_64-linux-gnu/sys/select.h	4226	2019/02/06
/usr/include/x86_64-linux-gnu/sys/stat.h	16353	2019/02/06
/usr/include/x86_64-linux-gnu/sys/syscall.h	1335	2019/02/06
/usr/include/x86_64-linux-gnu/sys/sysmacros.h	2278	2019/02/06
/usr/include/x86_64-linux-gnu/sys/time.h	6673	2019/02/06
/usr/include/x86_64-linux-gnu/sys/types.h	6687	2019/02/06
/usr/include/x86_64-linux-gnu/sys/ucontext.h	5385	2019/02/06
/usr/include/xlocale.h	1689	2019/02/06
/usr/lib/gcc/x86_64-linux-gnu/6/include/stdarg.h	4072	2018/02/14
/usr/lib/gcc/x86_64-linux-gnu/6/include/stddef.h	13754	2018/02/14
/usr/lib/gcc/x86_64-linux-gnu/6/include/stdint.h	328	2018/02/14

Filename	Size (bytes)	Modified Date
/usr/lib/gcc/x86_64-linux-gnu/6/include-fixed/limits.h	5382	2018/02/14
/usr/lib/gcc/x86_64-linux-gnu/6/include-fixed/syslimits.h	330	2018/02/14
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	7894	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	4154	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	3447	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	6016	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	2526	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	5157	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	3234	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	15506	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	43068	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	24721	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	11571	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	9619	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	64556	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	6442	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	1974	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	7539	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	17493	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	1455	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf4-4....	3145	2019/08/17
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf-eos...	779	2017/03/08
/var/autofs/mnt/linux-amd64/debian/stretch/local/hdf-eos...	11991	2017/03/08
/var/autofs/mnt/linux-amd64/debian/stretch/local/include/...	12858	2017/03/13
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	40798	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	264	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	886	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	2114	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	8493	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	713	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	8717	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	1679	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	6065	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	6793	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	2946	2020/02/05

Filename	Size (bytes)	Modified Date
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	1807	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	2014	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	3135	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	7323	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	253	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	1209	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	1811	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	4534	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	4794	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	4178	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	3646	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	4977	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	861	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	567	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	2927	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	3799	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	8594	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	2765	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	4519	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	8559	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	2304	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	349	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	41843	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	14474	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	1280	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	291	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	1297	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	2744	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	16121	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	1726	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	45187	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	1320	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	1214	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	17369	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	341	2020/02/05

Filename	Size (bytes)	Modified Date
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	4139	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	7780	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	2989	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	3535	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	8312	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	8993	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	28235	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	16257	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	436	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	1483	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	3554	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	6204	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	5332	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	8926	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	629	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	3362	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	2480	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	1377	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	1511	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	3644	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	2471	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	2253	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	82278	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	1776	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/met-pyt...	2866	2020/02/05
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	2965	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	480	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	440	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	1048	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	3684	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	1940	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	483	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	3327	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	12051	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	3469	2019/06/03

Filename	Size (bytes)	Modified Date
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	473	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	23965	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	1055	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	453	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	473	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	1501	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	472	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	482	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	5409	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	472	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	462	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	481	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	469	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	54638	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	1151	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	1430	2019/06/03
/var/autofs/mnt/linux-amd64/debian/stretch/local/netcdf-...	67862	2019/06/03
config.h	7261	2021/05/14
internal_tests/basic/vx_config/test_config.cc	1816	2021/05/14
internal_tests/basic/vx_config/test_lookup.cc	2746	2021/05/14
internal_tests/basic/vx_config/test_lookup2.cc	2596	2021/05/14
internal_tests/basic/vx_config/test_lookup3.cc	1962	2021/05/14
internal_tests/basic/vx_config/test_met_478.cc	1538	2021/05/14
internal_tests/basic/vx_config/test_string.cc	2603	2021/05/14
internal_tests/basic/vx_config/test_string_then_config.cc	2067	2021/05/14
internal_tests/basic/vx_config/test_thresh.cc	2453	2021/05/14
internal_tests/basic/vx_config/test_user_func.cc	3473	2021/05/14
internal_tests/basic/vx_log/test_logger.cc	2525	2021/05/14
internal_tests/basic/vx_log/test_reg_exp.cc	2187	2021/05/14
internal_tests/basic/vx_util/test_add_rows.cc	1511	2021/05/14
internal_tests/basic/vx_util/test_ascii_header.cc	3471	2021/05/14
internal_tests/basic/vx_util/test_command_line.cc	2452	2021/05/14
internal_tests/basic/vx_util/test_data_plane.cc	1454	2021/05/14
internal_tests/basic/vx_util/test_table_float.cc	1620	2021/05/14
internal_tests/libcode/vx_data2d/dump_default_table.cc	846	2021/05/14

Filename	Size (bytes)	Modified Date
internal_tests/libcode/vx_data2d/test_table_read.cc	1491	2021/05/14
internal_tests/libcode/vx_data2d_factory/test_factory.cc	5291	2021/05/14
internal_tests/libcode/vx_data2d_factory/test_is_grib.cc	1751	2021/05/14
internal_tests/libcode/vx_data2d_grib/test_read_grib1.cc	1483	2021/05/14
internal_tests/libcode/vx_data2d_nc_met/test_read_nc_m…	1512	2021/05/14
internal_tests/libcode/vx_data2d_nccf/test_read_nccf.cc	1507	2021/05/14
internal_tests/libcode/vx_geodesy/test_spheroid.cc	2786	2021/05/14
internal_tests/libcode/vx_grid/test_grid_area.cc	2043	2021/05/14
internal_tests/libcode/vx_nc_util/test_pressure_levels.cc	3308	2021/05/14
internal_tests/libcode/vx_physics/test_thermo.cc	935	2021/05/14
internal_tests/libcode/vx_plot_util/test_map_region.cc	2173	2021/05/14
internal_tests/libcode/vx_ps/test_ps.cc	2835	2021/05/14
internal_tests/libcode/vx_series_data/test_series_data.cc	1911	2021/05/14
internal_tests/libcode/vx_solar/test_ra_dec.cc	2204	2021/05/14
internal_tests/libcode/vx_tc_util/test_read.cc	2163	2021/05/14
internal_tests/libcode/vx_tc_util/test_read_prob.cc	1966	2021/05/14
internal_tests/tools/other/mode_time_domain/test_velocit…	3954	2021/05/14
src/basic/enum_to_string/code.cc	19658	2021/05/14
src/basic/enum_to_string/code.h	1048	2021/05/14
src/basic/enum_to_string/enum.tab.h	2599	2021/05/14
src/basic/enum_to_string/enum_parser.cc	48439	2021/05/14
src/basic/enum_to_string/enum_parser.yy	3971	2021/05/14
src/basic/enum_to_string/enum_to_string.cc	6899	2021/05/14
src/basic/enum_to_string/info.cc	6184	2021/05/14
src/basic/enum_to_string/info.h	2449	2021/05/14
src/basic/enum_to_string/my_enum_scanner.cc	9596	2021/05/14
src/basic/enum_to_string/scope.cc	6018	2021/05/14
src/basic/enum_to_string/scope.h	2742	2021/05/14
src/basic/vx_cal/date_to_mjd.cc	957	2021/05/14
src/basic/vx_cal/day_dif.cc	885	2021/05/14
src/basic/vx_cal/day_of_week.cc	964	2021/05/14
src/basic/vx_cal/doyhms_to_unix.cc	2105	2021/05/14
src/basic/vx_cal/is_dst.cc	2355	2021/05/14
src/basic/vx_cal/is_leap_year.cc	3444	2021/05/14
src/basic/vx_cal/mdyhms_to_unix.cc	1067	2021/05/14

Filename	Size (bytes)	Modified Date
src/basic/vx_cal/mjd_to_date.cc	1079	2021/05/14
src/basic/vx_cal/time_array.cc	7767	2021/05/14
src/basic/vx_cal/time_array.h	2120	2021/05/14
src/basic/vx_cal/time_strings.cc	13033	2021/05/14
src/basic/vx_cal/unix_string.cc	1230	2021/05/14
src/basic/vx_cal/unix_to_mdyhms.cc	2477	2021/05/14
src/basic/vx_cal/vx_cal.h	5885	2021/05/14
src/basic/vx_config/builtin.cc	8286	2021/05/14
src/basic/vx_config/builtin.h	3257	2021/05/14
src/basic/vx_config/calculator.cc	8788	2021/05/14
src/basic/vx_config/calculator.h	2143	2021/05/14
src/basic/vx_config/celltype_to_string.cc	4379	2021/05/14
src/basic/vx_config/celltype_to_string.h	1329	2021/05/14
src/basic/vx_config/config.tab.cc	85558	2021/05/14
src/basic/vx_config/config.tab.h	3178	2021/05/14
src/basic/vx_config/config.tab.yy	28245	2021/05/14
src/basic/vx_config/config_constants.h	56711	2021/05/14
src/basic/vx_config/config_file.cc	9809	2021/05/14
src/basic/vx_config/config_file.h	2160	2021/05/14
src/basic/vx_config/config_funcs.cc	5174	2021/05/14
src/basic/vx_config/config_funcs.h	2960	2021/05/14
src/basic/vx_config/config_gaussian.h	1749	2021/05/14
src/basic/vx_config/config_util.cc	96992	2021/05/14
src/basic/vx_config/config_util.h	6083	2021/05/14
src/basic/vx_config/configobjecttype_to_string.cc	1930	2021/05/14
src/basic/vx_config/configobjecttype_to_string.h	1323	2021/05/14
src/basic/vx_config/data_file_type.h	1754	2021/05/14
src/basic/vx_config/dictionary.cc	44495	2021/05/14
src/basic/vx_config/dictionary.h	12186	2021/05/14
src/basic/vx_config/grdfiletype_to_string.cc	3445	2021/05/14
src/basic/vx_config/grdfiletype_to_string.h	1368	2021/05/14
src/basic/vx_config/icode.cc	22086	2021/05/14
src/basic/vx_config/icode.h	7165	2021/05/14
src/basic/vx_config/idstack.cc	8852	2021/05/14
src/basic/vx_config/idstack.h	3182	2021/05/14

Filename	Size (bytes)	Modified Date
src/basic/vx_config/my_config_scanner.cc	26545	2021/05/14
src/basic/vx_config/number_stack.cc	5132	2021/05/14
src/basic/vx_config/number_stack.h	2018	2021/05/14
src/basic/vx_config/object_types.h	1045	2021/05/14
src/basic/vx_config/scanner_stuff.h	830	2021/05/14
src/basic/vx_config/temp_file.cc	1987	2021/05/14
src/basic/vx_config/temp_file.h	993	2021/05/14
src/basic/vx_config/threshold.cc	29455	2021/05/14
src/basic/vx_config/threshold.h	11807	2021/05/14
src/basic/vx_config/vx_config.h	925	2021/05/14
src/basic/vx_log/concat_string.cc	23010	2021/05/14
src/basic/vx_log/concat_string.h	7908	2021/05/14
src/basic/vx_log/enum.y	0	1970/01/01
src/basic/vx_log/file_fxns.cc	3344	2021/05/14
src/basic/vx_log/file_fxns.h	1677	2021/05/14
src/basic/vx_log/indent.cc	2554	2021/05/14
src/basic/vx_log/indent.h	1552	2021/05/14
src/basic/vx_log/logger.cc	34587	2021/05/14
src/basic/vx_log/logger.h	7012	2021/05/14
src/basic/vx_log/string_array.cc	10739	2021/05/14
src/basic/vx_log/string_array.h	3108	2021/05/14
src/basic/vx_log/vx_log.h	885	2021/05/14
src/basic/vx_math/affine.cc	20393	2021/05/14
src/basic/vx_math/affine.h	11492	2021/05/14
src/basic/vx_math/angles.cc	4617	2021/05/14
src/basic/vx_math/angles.h	1156	2021/05/14
src/basic/vx_math/hist.cc	4377	2021/05/14
src/basic/vx_math/hist.h	2718	2021/05/14
src/basic/vx_math/is_bad_data.h	2056	2021/05/14
src/basic/vx_math/legendre.cc	7061	2021/05/14
src/basic/vx_math/legendre.h	2406	2021/05/14
src/basic/vx_math/math_constants.h	3207	2021/05/14
src/basic/vx_math/nint.cc	843	2021/05/14
src/basic/vx_math/nint.h	797	2021/05/14
src/basic/vx_math/nti.cc	2174	2021/05/14

Filename	Size (bytes)	Modified Date
src/basic/vx_math/nti.h	857	2021/05/14
src/basic/vx_math/ptile.cc	6497	2021/05/14
src/basic/vx_math/ptile.h	1332	2021/05/14
src/basic/vx_math/pwl.cc	7356	2021/05/14
src/basic/vx_math/pwl.h	2357	2021/05/14
src/basic/vx_math/so3.cc	11340	2021/05/14
src/basic/vx_math/so3.h	4453	2021/05/14
src/basic/vx_math/trig.h	2896	2021/05/14
src/basic/vx_math/viewgravity_to_string.cc	2002	2021/05/14
src/basic/vx_math/viewgravity_to_string.h	1286	2021/05/14
src/basic/vx_math/vx_math.h	1027	2021/05/14
src/basic/vx_math/vx_vector.cc	13833	2021/05/14
src/basic/vx_math/vx_vector.h	4422	2021/05/14
src/basic/vx_util/ascii_header.cc	14683	2021/05/14
src/basic/vx_util/ascii_header.h	4971	2021/05/14
src/basic/vx_util/ascii_table.cc	26135	2021/05/14
src/basic/vx_util/ascii_table.h	10153	2021/05/14
src/basic/vx_util/asciitablejust_to_string.cc	1358	2021/05/14
src/basic/vx_util/asciitablejust_to_string.h	1311	2021/05/14
src/basic/vx_util/bool_to_string.h	957	2021/05/14
src/basic/vx_util/check_endian.cc	1288	2021/05/14
src/basic/vx_util/check_endian.h	2785	2021/05/14
src/basic/vx_util/CircularTemplate.cc	6230	2021/05/14
src/basic/vx_util/CircularTemplate.h	3192	2021/05/14
src/basic/vx_util/comma_string.cc	1450	2021/05/14
src/basic/vx_util/comma_string.h	976	2021/05/14
src/basic/vx_util/command_line.cc	15298	2021/05/14
src/basic/vx_util/command_line.h	4971	2021/05/14
src/basic/vx_util/conversions.cc	4539	2021/05/14
src/basic/vx_util/conversions.h	1186	2021/05/14
src/basic/vx_util/crc_array.h	10097	2021/05/14
src/basic/vx_util/crr_array.h	5622	2021/05/14
src/basic/vx_util/data_cube.cc	7379	2021/05/14
src/basic/vx_util/data_cube.h	2724	2021/05/14
src/basic/vx_util/data_line.cc	13154	2021/05/14

Filename	Size (bytes)	Modified Date
src/basic/vx_util/data_line.h	4972	2021/05/14
src/basic/vx_util/data_plane.cc	25692	2021/05/14
src/basic/vx_util/data_plane.h	5921	2021/05/14
src/basic/vx_util/data_plane_util.cc	23593	2021/05/14
src/basic/vx_util/data_plane_util.h	3039	2021/05/14
src/basic/vx_util/empty_string.h	909	2021/05/14
src/basic/vx_util/file_exists.cc	869	2021/05/14
src/basic/vx_util/file_exists.h	812	2021/05/14
src/basic/vx_util/file_linecount.cc	1141	2021/05/14
src/basic/vx_util/file_linecount.h	822	2021/05/14
src/basic/vx_util/file_size.cc	1121	2021/05/14
src/basic/vx_util/file_size.h	809	2021/05/14
src/basic/vx_util/filename_suffix.cc	1454	2021/05/14
src/basic/vx_util/filename_suffix.h	983	2021/05/14
src/basic/vx_util/fix_float.cc	1915	2021/05/14
src/basic/vx_util/fix_float.h	956	2021/05/14
src/basic/vx_util/get_filenames.cc	5203	2021/05/14
src/basic/vx_util/get_filenames.h	1486	2021/05/14
src/basic/vx_util/grib_constants.cc	2049	2021/05/14
src/basic/vx_util/grib_constants.h	3418	2021/05/14
src/basic/vx_util/GridOffset.cc	3009	2021/05/14
src/basic/vx_util/GridOffset.h	2820	2021/05/14
src/basic/vx_util/GridPoint.cc	3398	2021/05/14
src/basic/vx_util/GridPoint.h	3983	2021/05/14
src/basic/vx_util/GridTemplate.cc	19359	2021/05/14
src/basic/vx_util/GridTemplate.h	7449	2021/05/14
src/basic/vx_util/int_array.h	937	2021/05/14
src/basic/vx_util/interp_mthd.cc	4509	2021/05/14
src/basic/vx_util/interp_mthd.h	2951	2021/05/14
src/basic/vx_util/interp_util.cc	40165	2021/05/14
src/basic/vx_util/interp_util.h	6819	2021/05/14
src/basic/vx_util/is_number.cc	4928	2021/05/14
src/basic/vx_util/is_number.h	1891	2021/05/14
src/basic/vx_util/long_array.cc	4369	2021/05/14
src/basic/vx_util/long_array.h	1862	2021/05/14

Filename	Size (bytes)	Modified Date
src/basic/vx_util/make_path.cc	2213	2021/05/14
src/basic/vx_util/make_path.h	801	2021/05/14
src/basic/vx_util/mask_poly.cc	8754	2021/05/14
src/basic/vx_util/mask_poly.h	2319	2021/05/14
src/basic/vx_util/memory.cc	1167	2021/05/14
src/basic/vx_util/memory.h	886	2021/05/14
src/basic/vx_util/met_buffer.cc	4365	2021/05/14
src/basic/vx_util/met_buffer.h	2797	2021/05/14
src/basic/vx_util/ncrr_array.h	7585	2021/05/14
src/basic/vx_util/num_array.cc	17603	2021/05/14
src/basic/vx_util/num_array.h	3726	2021/05/14
src/basic/vx_util/observation.cc	4830	2021/05/14
src/basic/vx_util/observation.h	5379	2021/05/14
src/basic/vx_util/ordinal.cc	2124	2021/05/14
src/basic/vx_util/ordinal.h	811	2021/05/14
src/basic/vx_util/polyline.cc	22476	2021/05/14
src/basic/vx_util/polyline.h	3800	2021/05/14
src/basic/vx_util/python_line.cc	10078	2021/05/14
src/basic/vx_util/python_line.h	2161	2021/05/14
src/basic/vx_util/read_fortran_binary.cc	10351	2021/05/14
src/basic/vx_util/read_fortran_binary.h	2195	2021/05/14
src/basic/vx_util/RectangularTemplate.cc	4089	2021/05/14
src/basic/vx_util/RectangularTemplate.h	3559	2021/05/14
src/basic/vx_util/roman_numeral.cc	3221	2021/05/14
src/basic/vx_util/roman_numeral.h	1008	2021/05/14
src/basic/vx_util/smart_buffer.cc	4024	2021/05/14
src/basic/vx_util/smart_buffer.h	2375	2021/05/14
src/basic/vx_util/stat_column_defs.h	17831	2021/05/14
src/basic/vx_util/string_fxns.cc	8934	2021/05/14
src/basic/vx_util/string_fxns.h	1900	2021/05/14
src/basic/vx_util/substring.cc	1044	2021/05/14
src/basic/vx_util/substring.h	830	2021/05/14
src/basic/vx_util/thresh_array.cc	18521	2021/05/14
src/basic/vx_util/thresh_array.h	3662	2021/05/14
src/basic/vx_util/two_d_array.h	6042	2021/05/14

Filename	Size (bytes)	Modified Date
src/basic/vx_util/two_to_one.cc	13072	2021/05/14
src/basic/vx_util/two_to_one.h	4799	2021/05/14
src/basic/vx_util/util_constants.h	5349	2021/05/14
src/basic/vx_util/vx_util.h	1771	2021/05/14
src/libcode/vx_afm/afm.cc	34372	2021/05/14
src/libcode/vx_afm/afm.h	5469	2021/05/14
src/libcode/vx_afm/afm_keywords.cc	978	2021/05/14
src/libcode/vx_afm/afm_keywords.h	5014	2021/05/14
src/libcode/vx_afm/afm_line.cc	5156	2021/05/14
src/libcode/vx_afm/afm_line.h	1580	2021/05/14
src/libcode/vx_afm/afm_token.cc	3493	2021/05/14
src/libcode/vx_afm/afm_token.h	1634	2021/05/14
src/libcode/vx_afm/afm_token_types.h	978	2021/05/14
src/libcode/vx_afm/afmkeyword_to_string.cc	4782	2021/05/14
src/libcode/vx_afm/afmkeyword_to_string.h	978	2021/05/14
src/libcode/vx_afm/afmtokentype_to_string.cc	1610	2021/05/14
src/libcode/vx_afm/afmtokentype_to_string.h	1179	2021/05/14
src/libcode/vx_analysis_util/analysis_utils.cc	1502	2021/05/14
src/libcode/vx_analysis_util/analysis_utils.h	1117	2021/05/14
src/libcode/vx_analysis_util/by_case_info.cc	3853	2021/05/14
src/libcode/vx_analysis_util/by_case_info.h	1537	2021/05/14
src/libcode/vx_analysis_util/mode_atts.cc	99731	2021/05/14
src/libcode/vx_analysis_util/mode_atts.h	13908	2021/05/14
src/libcode/vx_analysis_util/mode_job.cc	18292	2021/05/14
src/libcode/vx_analysis_util/mode_job.h	3821	2021/05/14
src/libcode/vx_analysis_util/mode_line.cc	22203	2021/05/14
src/libcode/vx_analysis_util/mode_line.h	6783	2021/05/14
src/libcode/vx_analysis_util/stat_job.cc	82840	2021/05/14
src/libcode/vx_analysis_util/stat_job.h	10580	2021/05/14
src/libcode/vx_analysis_util/stat_line.cc	16435	2021/05/14
src/libcode/vx_analysis_util/stat_line.h	3845	2021/05/14
src/libcode/vx_analysis_util/time_series.cc	3809	2021/05/14
src/libcode/vx_analysis_util/time_series.h	1872	2021/05/14
src/libcode/vx_analysis_util/vx_analysis_util.h	983	2021/05/14
src/libcode/vx_color/color.cc	7882	2021/05/14

Filename	Size (bytes)	Modified Date
src/libcode/vx_color/color.h	6271	2021/05/14
src/libcode/vx_color/color_list.cc	6033	2021/05/14
src/libcode/vx_color/color_list.h	2524	2021/05/14
src/libcode/vx_color/color_parser.h	1057	2021/05/14
src/libcode/vx_color/color_parser_yacc.cc	57933	2021/05/14
src/libcode/vx_color/color_parser_yacc.h	2659	2021/05/14
src/libcode/vx_color/color_parser_yacc.yy	10914	2021/05/14
src/libcode/vx_color/color_table.cc	17725	2021/05/14
src/libcode/vx_color/my_color_scanner.cc	12722	2021/05/14
src/libcode/vx_color/vx_color.h	823	2021/05/14
src/libcode/vx_data2d/data_class.cc	6247	2021/05/14
src/libcode/vx_data2d/data_class.h	4155	2021/05/14
src/libcode/vx_data2d/data2d_utils.cc	8258	2021/05/14
src/libcode/vx_data2d/data2d_utils.h	1571	2021/05/14
src/libcode/vx_data2d/level_info.cc	4655	2021/05/14
src/libcode/vx_data2d/level_info.h	3687	2021/05/14
src/libcode/vx_data2d/leveltype_to_string.cc	2573	2021/05/14
src/libcode/vx_data2d/leveltype_to_string.h	1346	2021/05/14
src/libcode/vx_data2d/table_lookup.cc	29255	2021/05/14
src/libcode/vx_data2d/table_lookup.h	5718	2021/05/14
src/libcode/vx_data2d/var_info.cc	23770	2021/05/14
src/libcode/vx_data2d/var_info.h	9743	2021/05/14
src/libcode/vx_data2d/vx_data2d.h	977	2021/05/14
src/libcode/vx_data2d_factory/data2d_factory.cc	6757	2021/05/14
src/libcode/vx_data2d_factory/data2d_factory.h	1421	2021/05/14
src/libcode/vx_data2d_factory/data2d_factory_utils.cc	4241	2021/05/14
src/libcode/vx_data2d_factory/data2d_factory_utils.h	979	2021/05/14
src/libcode/vx_data2d_factory/is_bufr_file.cc	1865	2021/05/14
src/libcode/vx_data2d_factory/is_bufr_file.h	820	2021/05/14
src/libcode/vx_data2d_factory/is_grib_file.cc	2911	2021/05/14
src/libcode/vx_data2d_factory/is_grib_file.h	871	2021/05/14
src/libcode/vx_data2d_factory/is_netcdf_file.cc	4179	2021/05/14
src/libcode/vx_data2d_factory/is_netcdf_file.h	984	2021/05/14
src/libcode/vx_data2d_factory/parse_file_list.cc	3944	2021/05/14
src/libcode/vx_data2d_factory/parse_file_list.h	982	2021/05/14

Filename	Size (bytes)	Modified Date
src/libcode/vx_data2d_factory/var_info_factory.cc	3769	2021/05/14
src/libcode/vx_data2d_factory/var_info_factory.h	1097	2021/05/14
src/libcode/vx_data2d_factory/vx_data2d_factory.h	975	2021/05/14
src/libcode/vx_data2d_grib/data2d_grib.cc	20302	2021/05/14
src/libcode/vx_data2d_grib/data2d_grib.h	2565	2021/05/14
src/libcode/vx_data2d_grib/data2d_grib_utils.cc	20571	2021/05/14
src/libcode/vx_data2d_grib/data2d_grib_utils.h	1482	2021/05/14
src/libcode/vx_data2d_grib/grib_classes.cc	43286	2021/05/14
src/libcode/vx_data2d_grib/grib_classes.h	14715	2021/05/14
src/libcode/vx_data2d_grib/grib_strings.cc	9676	2021/05/14
src/libcode/vx_data2d_grib/grib_strings.h	10672	2021/05/14
src/libcode/vx_data2d_grib/grib_utils.cc	14568	2021/05/14
src/libcode/vx_data2d_grib/grib_utils.h	1172	2021/05/14
src/libcode/vx_data2d_grib/var_info_grib.cc	12914	2021/05/14
src/libcode/vx_data2d_grib/var_info_grib.h	4178	2021/05/14
src/libcode/vx_data2d_grib/vx_data2d_grib.h	933	2021/05/14
src/libcode/vx_data2d_grib2/data2d_grib2.cc	53914	2021/05/14
src/libcode/vx_data2d_grib2/data2d_grib2.h	3760	2021/05/14
src/libcode/vx_data2d_grib2/var_info_grib2.cc	16725	2021/05/14
src/libcode/vx_data2d_grib2/var_info_grib2.h	5517	2021/05/14
src/libcode/vx_data2d_nc_met/data2d_nc_met.cc	6516	2021/05/14
src/libcode/vx_data2d_nc_met/data2d_nc_met.h	2173	2021/05/14
src/libcode/vx_data2d_nc_met/get_met_grid.cc	17061	2021/05/14
src/libcode/vx_data2d_nc_met/get_met_grid.h	992	2021/05/14
src/libcode/vx_data2d_nc_met/met_file.cc	18940	2021/05/14
src/libcode/vx_data2d_nc_met/met_file.h	2314	2021/05/14
src/libcode/vx_data2d_nc_met/var_info_nc_met.cc	9097	2021/05/14
src/libcode/vx_data2d_nc_met/var_info_nc_met.h	2667	2021/05/14
src/libcode/vx_data2d_nc_met/vx_data2d_nc_met.h	884	2021/05/14
src/libcode/vx_data2d_nc_pinterp/data2d_nc_pinterp.cc	9413	2021/05/14
src/libcode/vx_data2d_nc_pinterp/data2d_nc_pinterp.h	2240	2021/05/14
src/libcode/vx_data2d_nc_pinterp/get_pinterp_grid.cc	8346	2021/05/14
src/libcode/vx_data2d_nc_pinterp/get_pinterp_grid.h	1042	2021/05/14
src/libcode/vx_data2d_nc_pinterp/pinterp_file.cc	21861	2021/05/14
src/libcode/vx_data2d_nc_pinterp/pinterp_file.h	2483	2021/05/14

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src/libcode/vx_data2d_nc_pinterp/var_info_nc_pinterp.cc	9574	2021/05/14
src/libcode/vx_data2d_nc_pinterp/var_info_nc_pinterp.h	8138	2021/05/14
src/libcode/vx_data2d_nc_pinterp/vx_data2d_nc_pinterp.h	912	2021/05/14
src/libcode/vx_data2d_nccf/data2d_nccf.cc	20452	2021/05/14
src/libcode/vx_data2d_nccf/data2d_nccf.h	2609	2021/05/14
src/libcode/vx_data2d_nccf/nccf_file.cc	85101	2021/05/14
src/libcode/vx_data2d_nccf/nccf_file.h	5112	2021/05/14
src/libcode/vx_data2d_nccf/var_info_nccf.cc	12063	2021/05/14
src/libcode/vx_data2d_nccf/var_info_nccf.h	2615	2021/05/14
src/libcode/vx_data2d_python/data2d_python.cc	8381	2021/05/14
src/libcode/vx_data2d_python/data2d_python.h	2697	2021/05/14
src/libcode/vx_data2d_python/dataplane_from_numpy_ar…	6574	2021/05/14
src/libcode/vx_data2d_python/dataplane_from_numpy_ar…	1211	2021/05/14
src/libcode/vx_data2d_python/dataplane_from_xarray.cc	1625	2021/05/14
src/libcode/vx_data2d_python/dataplane_from_xarray.h	1111	2021/05/14
src/libcode/vx_data2d_python/grid_from_python_dict.cc	10030	2021/05/14
src/libcode/vx_data2d_python/grid_from_python_dict.h	1050	2021/05/14
src/libcode/vx_data2d_python/python_dataplane.cc	10348	2021/05/14
src/libcode/vx_data2d_python/python_dataplane.h	1474	2021/05/14
src/libcode/vx_data2d_python/var_info_python.cc	5309	2021/05/14
src/libcode/vx_data2d_python/var_info_python.h	2122	2021/05/14
src/libcode/vx_geodesy/spheroid.cc	7614	2021/05/14
src/libcode/vx_geodesy/spheroid.h	3588	2021/05/14
src/libcode/vx_geodesy/vx_geodesy.h	775	2021/05/14
src/libcode/vx_gis/dbf_file.cc	10025	2021/05/14
src/libcode/vx_gis/dbf_file.h	3014	2021/05/14
src/libcode/vx_gis/shapetype_to_string.cc	2246	2021/05/14
src/libcode/vx_gis/shapetype_to_string.h	1282	2021/05/14
src/libcode/vx_gis/shp_array.h	5591	2021/05/14
src/libcode/vx_gis/shp_file.cc	7613	2021/05/14
src/libcode/vx_gis/shp_file.h	3390	2021/05/14
src/libcode/vx_gis/shp_point_record.cc	3017	2021/05/14
src/libcode/vx_gis/shp_point_record.h	1604	2021/05/14
src/libcode/vx_gis/shp_poly_record.cc	6560	2021/05/14
src/libcode/vx_gis/shp_poly_record.h	2539	2021/05/14

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src/libcode/vx_gis/shp_types.h	1470	2021/05/14
src/libcode/vx_gis/shx_file.cc	1510	2021/05/14
src/libcode/vx_gis/shx_file.h	1246	2021/05/14
src/libcode/vx_gnomon/gnomon.cc	5057	2021/05/14
src/libcode/vx_gnomon/gnomon.h	1672	2021/05/14
src/libcode/vx_grid/earth_rotation.cc	5260	2021/05/14
src/libcode/vx_grid/earth_rotation.h	2309	2021/05/14
src/libcode/vx_grid/find_grid_by_name.cc	13251	2021/05/14
src/libcode/vx_grid/find_grid_by_name.h	16413	2021/05/14
src/libcode/vx_grid/gaussian_grid.cc	7363	2021/05/14
src/libcode/vx_grid/gaussian_grid.h	2280	2021/05/14
src/libcode/vx_grid/gaussian_grid_defs.h	973	2021/05/14
src/libcode/vx_grid/goes_grid.cc	18483	2021/05/14
src/libcode/vx_grid/goes_grid.h	1984	2021/05/14
src/libcode/vx_grid/goes_grid_defs.h	1799	2021/05/14
src/libcode/vx_grid/grid_base.cc	25520	2021/05/14
src/libcode/vx_grid/grid_base.h	7099	2021/05/14
src/libcode/vx_grid/latlon_grid.cc	6722	2021/05/14
src/libcode/vx_grid/latlon_grid.h	2080	2021/05/14
src/libcode/vx_grid/latlon_grid_defs.h	1829	2021/05/14
src/libcode/vx_grid/latlon_xyz.cc	1905	2021/05/14
src/libcode/vx_grid/latlon_xyz.h	1827	2021/05/14
src/libcode/vx_grid/lc_grid.cc	16049	2021/05/14
src/libcode/vx_grid/lc_grid.h	4164	2021/05/14
src/libcode/vx_grid/lc_grid_defs.h	1297	2021/05/14
src/libcode/vx_grid/merc_grid.cc	12326	2021/05/14
src/libcode/vx_grid/merc_grid.h	2591	2021/05/14
src/libcode/vx_grid/merc_grid_defs.h	973	2021/05/14
src/libcode/vx_grid/rot_latlon_grid.cc	8238	2021/05/14
src/libcode/vx_grid/rot_latlon_grid.h	2116	2021/05/14
src/libcode/vx_grid/st_grid.cc	14407	2021/05/14
src/libcode/vx_grid/st_grid.h	3424	2021/05/14
src/libcode/vx_grid/st_grid_defs.h	1110	2021/05/14
src/libcode/vx_grid/tcrmw_grid.cc	7752	2021/05/14
src/libcode/vx_grid/tcrmw_grid.h	3978	2021/05/14

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src/libcode/vx_grid/vx_grid.h	953	2021/05/14
src/libcode/vx_gsl_prob/gsl_bvn.cc	3373	2021/05/14
src/libcode/vx_gsl_prob/gsl_bvn.h	1578	2021/05/14
src/libcode/vx_gsl_prob/gsl_cdf.cc	5373	2021/05/14
src/libcode/vx_gsl_prob/gsl_cdf.h	2016	2021/05/14
src/libcode/vx_gsl_prob/gsl_randist.cc	8009	2021/05/14
src/libcode/vx_gsl_prob/gsl_randist.h	2405	2021/05/14
src/libcode/vx_gsl_prob/gsl_statistics.cc	1569	2021/05/14
src/libcode/vx_gsl_prob/gsl_statistics.h	1180	2021/05/14
src/libcode/vx_gsl_prob/gsl_wavelet2d.cc	6667	2021/05/14
src/libcode/vx_gsl_prob/gsl_wavelet2d.h	2987	2021/05/14
src/libcode/vx_gsl_prob/vx_gsl_prob.h	878	2021/05/14
src/libcode/vx_nav/nav.cc	12604	2021/05/14
src/libcode/vx_nav/nav.h	1973	2021/05/14
src/libcode/vx_nc_obs/nc_obs_util.cc	60499	2021/05/14
src/libcode/vx_nc_obs/nc_obs_util.h	9589	2021/05/14
src/libcode/vx_nc_obs/nc_summary.cc	6406	2021/05/14
src/libcode/vx_nc_obs/nc_summary.h	1447	2021/05/14
src/libcode/vx_nc_util/grid_output.cc	9953	2021/05/14
src/libcode/vx_nc_util/grid_output.h	991	2021/05/14
src/libcode/vx_nc_util/load_tc_data.cc	3789	2021/05/14
src/libcode/vx_nc_util/load_tc_data.h	1100	2021/05/14
src/libcode/vx_nc_util/nc_constants.h	1217	2021/05/14
src/libcode/vx_nc_util/nc_utils.cc	117668	2021/05/14
src/libcode/vx_nc_util/nc_utils.h	19331	2021/05/14
src/libcode/vx_nc_util/nc_var_info.cc	6960	2021/05/14
src/libcode/vx_nc_util/nc_var_info.h	2051	2021/05/14
src/libcode/vx_nc_util/vx_nc_util.h	910	2021/05/14
src/libcode/vx_nc_util/write_netcdf.cc	11316	2021/05/14
src/libcode/vx_nc_util/write_netcdf.h	1735	2021/05/14
src/libcode/vx_pb_util/copy_bytes.cc	1659	2021/05/14
src/libcode/vx_pb_util/copy_bytes.h	876	2021/05/14
src/libcode/vx_pb_util/do_blocking.cc	5343	2021/05/14
src/libcode/vx_pb_util/do_blocking.h	934	2021/05/14
src/libcode/vx_pb_util/do_unblocking.cc	2532	2021/05/14

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src/libcode/vx_pb_util/do_unblocking.h	942	2021/05/14
src/libcode/vx_pb_util/pblock.cc	2059	2021/05/14
src/libcode/vx_pb_util/pblock.h	1075	2021/05/14
src/libcode/vx_pb_util/vx_pb_util.h	840	2021/05/14
src/libcode/vx_physics/thermo.cc	2801	2021/05/14
src/libcode/vx_physics/thermo.h	2076	2021/05/14
src/libcode/vx_plot_util/data_plane_plot.cc	10556	2021/05/14
src/libcode/vx_plot_util/data_plane_plot.h	1622	2021/05/14
src/libcode/vx_plot_util/map_region.cc	3978	2021/05/14
src/libcode/vx_plot_util/map_region.h	1812	2021/05/14
src/libcode/vx_plot_util/vx_plot_util.cc	9419	2021/05/14
src/libcode/vx_plot_util/vx_plot_util.h	2457	2021/05/14
src/libcode/vx_ps/documentmedia_to_string.cc	1391	2021/05/14
src/libcode/vx_ps/documentmedia_to_string.h	1294	2021/05/14
src/libcode/vx_ps/documentorientation_to_string.cc	1445	2021/05/14
src/libcode/vx_ps/documentorientation_to_string.h	1324	2021/05/14
src/libcode/vx_ps/fontfamily_to_string.cc	1593	2021/05/14
src/libcode/vx_ps/fontfamily_to_string.h	1279	2021/05/14
src/libcode/vx_ps/ps_text.cc	8610	2021/05/14
src/libcode/vx_ps/ps_text.h	3183	2021/05/14
src/libcode/vx_ps/table_helper.cc	16155	2021/05/14
src/libcode/vx_ps/table_helper.h	4911	2021/05/14
src/libcode/vx_ps/vx_ps.cc	32058	2021/05/14
src/libcode/vx_ps/vx_ps.h	8557	2021/05/14
src/libcode/vx_pxm/pbm.cc	9172	2021/05/14
src/libcode/vx_pxm/pbm.h	2065	2021/05/14
src/libcode/vx_pxm/pcm.cc	13160	2021/05/14
src/libcode/vx_pxm/pcm.h	2455	2021/05/14
src/libcode/vx_pxm/pgm.cc	11752	2021/05/14
src/libcode/vx_pxm/pgm.h	1877	2021/05/14
src/libcode/vx_pxm/ppm.cc	10344	2021/05/14
src/libcode/vx_pxm/ppm.h	1978	2021/05/14
src/libcode/vx_pxm/pxm_base.cc	5620	2021/05/14
src/libcode/vx_pxm/pxm_base.h	3593	2021/05/14
src/libcode/vx_pxm/pxm_utils.cc	1629	2021/05/14

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src/libcode/vx_pxm/pxm_utils.h	991	2021/05/14
src/libcode/vx_pxm/vx_pxm.h	860	2021/05/14
src/libcode/vx_python3_utils/global_python.h	1967	2021/05/14
src/libcode/vx_python3_utils/python3_dict.cc	9064	2021/05/14
src/libcode/vx_python3_utils/python3_dict.h	2056	2021/05/14
src/libcode/vx_python3_utils/python3_list.cc	2936	2021/05/14
src/libcode/vx_python3_utils/python3_list.h	1659	2021/05/14
src/libcode/vx_python3_utils/python3_numpy.cc	4881	2021/05/14
src/libcode/vx_python3_utils/python3_numpy.h	2894	2021/05/14
src/libcode/vx_python3_utils/python3_script.cc	5865	2021/05/14
src/libcode/vx_python3_utils/python3_script.h	2294	2021/05/14
src/libcode/vx_python3_utils/python3_util.cc	3534	2021/05/14
src/libcode/vx_python3_utils/python3_util.h	1681	2021/05/14
src/libcode/vx_python3_utils/vx_python3_utils.h	546	2021/05/14
src/libcode/vx_python3_utils/wchar_argv.cc	4421	2021/05/14
src/libcode/vx_python3_utils/wchar_argv.h	1809	2021/05/14
src/libcode/vx_regrid/vx_regrid.cc	7779	2021/05/14
src/libcode/vx_regrid/vx_regrid.h	1919	2021/05/14
src/libcode/vx_regrid/vx_regrid_budget.cc	2280	2021/05/14
src/libcode/vx_render/ascii85_filter.cc	2006	2021/05/14
src/libcode/vx_render/ascii85_filter.h	1099	2021/05/14
src/libcode/vx_render/bit_filter.cc	1653	2021/05/14
src/libcode/vx_render/bit_filter.h	1112	2021/05/14
src/libcode/vx_render/flate_filter.cc	3836	2021/05/14
src/libcode/vx_render/flate_filter.h	1326	2021/05/14
src/libcode/vx_render/hex_filter.cc	1380	2021/05/14
src/libcode/vx_render/hex_filter.h	1164	2021/05/14
src/libcode/vx_render/ps_filter.cc	3240	2021/05/14
src/libcode/vx_render/ps_filter.h	1992	2021/05/14
src/libcode/vx_render/psout_filter.cc	2251	2021/05/14
src/libcode/vx_render/psout_filter.h	1229	2021/05/14
src/libcode/vx_render/render_pbm.cc	3899	2021/05/14
src/libcode/vx_render/render_pcm.cc	4665	2021/05/14
src/libcode/vx_render/render_pgm.cc	3707	2021/05/14
src/libcode/vx_render/render_ppm.cc	3784	2021/05/14

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src/libcode/vx_render/renderinfo.cc	3536	2021/05/14
src/libcode/vx_render/renderinfo.h	2394	2021/05/14
src/libcode/vx_render/rle_filter.cc	3830	2021/05/14
src/libcode/vx_render/rle_filter.h	1435	2021/05/14
src/libcode/vx_render/uc_queue.cc	3299	2021/05/14
src/libcode/vx_render/uc_queue.h	1403	2021/05/14
src/libcode/vx_render/vx_render.h	1302	2021/05/14
src/libcode/vx_series_data/series_data.cc	2293	2021/05/14
src/libcode/vx_series_data/series_data.h	1175	2021/05/14
src/libcode/vx_series_data/series_pdf.cc	4722	2021/05/14
src/libcode/vx_series_data/series_pdf.h	2232	2021/05/14
src/libcode/vx_shapedata/engine.cc	97122	2021/05/14
src/libcode/vx_shapedata/engine.h	12822	2021/05/14
src/libcode/vx_shapedata/ihull.cc	2671	2021/05/14
src/libcode/vx_shapedata/ihull.h	1103	2021/05/14
src/libcode/vx_shapedata/interest.cc	17412	2021/05/14
src/libcode/vx_shapedata/interest.h	3614	2021/05/14
src/libcode/vx_shapedata/mode_columns.h	4550	2021/05/14
src/libcode/vx_shapedata/mode_conf_info.cc	23244	2021/05/14
src/libcode/vx_shapedata/mode_conf_info.h	8559	2021/05/14
src/libcode/vx_shapedata/moments.cc	8901	2021/05/14
src/libcode/vx_shapedata/moments.h	2831	2021/05/14
src/libcode/vx_shapedata/node.cc	11417	2021/05/14
src/libcode/vx_shapedata/node.h	2571	2021/05/14
src/libcode/vx_shapedata/set.cc	12676	2021/05/14
src/libcode/vx_shapedata/set.h	3708	2021/05/14
src/libcode/vx_shapedata/shape.h	1773	2021/05/14
src/libcode/vx_shapedata/shapedata.cc	47808	2021/05/14
src/libcode/vx_shapedata/shapedata.h	7805	2021/05/14
src/libcode/vx_shapedata/vx_shapedata.h	1007	2021/05/14
src/libcode/vx_solar/astro_constants.h	913	2021/05/14
src/libcode/vx_solar/siderial.cc	1940	2021/05/14
src/libcode/vx_solar/siderial.h	1101	2021/05/14
src/libcode/vx_solar/solar.cc	4330	2021/05/14
src/libcode/vx_solar/solar.h	2990	2021/05/14

Filename	Size (bytes)	Modified Date
src/libcode/vx_stat_out/stat_columns.cc	115967	2021/05/14
src/libcode/vx_stat_out/stat_columns.h	11183	2021/05/14
src/libcode/vx_stat_out/stat_hdr_columns.cc	10344	2021/05/14
src/libcode/vx_stat_out/stat_hdr_columns.h	10219	2021/05/14
src/libcode/vx_stat_out/vx_stat_out.h	819	2021/05/14
src/libcode/vx_statistics/apply_mask.cc	19687	2021/05/14
src/libcode/vx_statistics/apply_mask.h	2615	2021/05/14
src/libcode/vx_statistics/compute_ci.cc	127567	2021/05/14
src/libcode/vx_statistics/compute_ci.h	3595	2021/05/14
src/libcode/vx_statistics/compute_stats.cc	38038	2021/05/14
src/libcode/vx_statistics/compute_stats.h	3148	2021/05/14
src/libcode/vx_statistics/contable.cc	22198	2021/05/14
src/libcode/vx_statistics/contable.h	10751	2021/05/14
src/libcode/vx_statistics/contable_nx2.cc	15335	2021/05/14
src/libcode/vx_statistics/contable_stats.cc	24081	2021/05/14
src/libcode/vx_statistics/ens_stats.cc	15315	2021/05/14
src/libcode/vx_statistics/ens_stats.h	3563	2021/05/14
src/libcode/vx_statistics/met_stats.cc	81285	2021/05/14
src/libcode/vx_statistics/met_stats.h	16365	2021/05/14
src/libcode/vx_statistics/obs_error.cc	24140	2021/05/14
src/libcode/vx_statistics/obs_error.h	5213	2021/05/14
src/libcode/vx_statistics/pair_base.cc	30203	2021/05/14
src/libcode/vx_statistics/pair_base.h	7922	2021/05/14
src/libcode/vx_statistics/pair_data_ensemble.cc	53673	2021/05/14
src/libcode/vx_statistics/pair_data_ensemble.h	11028	2021/05/14
src/libcode/vx_statistics/pair_data_point.cc	54563	2021/05/14
src/libcode/vx_statistics/pair_data_point.h	11140	2021/05/14
src/libcode/vx_statistics/read_climo.cc	16088	2021/05/14
src/libcode/vx_statistics/read_climo.h	1100	2021/05/14
src/libcode/vx_statistics/vx_statistics.h	1043	2021/05/14
src/libcode/vx_summary/summary_calc.cc	1026	2021/05/14
src/libcode/vx_summary/summary_calc.h	1066	2021/05/14
src/libcode/vx_summary/summary_calc_max.cc	1063	2021/05/14
src/libcode/vx_summary/summary_calc_max.h	1166	2021/05/14
src/libcode/vx_summary/summary_calc_mean.cc	1069	2021/05/14

Filename	Size (bytes)	Modified Date
src/libcode/vx_summary/summary_calc_mean.h	1174	2021/05/14
src/libcode/vx_summary/summary_calc_median.cc	1135	2021/05/14
src/libcode/vx_summary/summary_calc_median.h	1054	2021/05/14
src/libcode/vx_summary/summary_calc_min.cc	1063	2021/05/14
src/libcode/vx_summary/summary_calc_min.h	1166	2021/05/14
src/libcode/vx_summary/summary_calc_percentile.cc	1814	2021/05/14
src/libcode/vx_summary/summary_calc_percentile.h	1428	2021/05/14
src/libcode/vx_summary/summary_calc_range.cc	1075	2021/05/14
src/libcode/vx_summary/summary_calc_range.h	1198	2021/05/14
src/libcode/vx_summary/summary_calc_stdev.cc	1075	2021/05/14
src/libcode/vx_summary/summary_calc_stdev.h	1245	2021/05/14
src/libcode/vx_summary/summary_key.cc	1379	2021/05/14
src/libcode/vx_summary/summary_key.h	3455	2021/05/14
src/libcode/vx_summary/summary_obs.cc	18333	2021/05/14
src/libcode/vx_summary/summary_obs.h	8389	2021/05/14
src/libcode/vx_summary/time_summary_interval.cc	1210	2021/05/14
src/libcode/vx_summary/time_summary_interval.h	1865	2021/05/14
src/libcode/vx_summary/vx_summary.h	803	2021/05/14
src/libcode/vx_tc_util/atcf_line_base.cc	15519	2021/05/14
src/libcode/vx_tc_util/atcf_line_base.h	5958	2021/05/14
src/libcode/vx_tc_util/atcf_offsets.h	4242	2021/05/14
src/libcode/vx_tc_util/atcf_prob_line.cc	3984	2021/05/14
src/libcode/vx_tc_util/atcf_prob_line.h	1852	2021/05/14
src/libcode/vx_tc_util/atcf_track_line.cc	24876	2021/05/14
src/libcode/vx_tc_util/atcf_track_line.h	6225	2021/05/14
src/libcode/vx_tc_util/genesis_info.cc	13555	2021/05/14
src/libcode/vx_tc_util/genesis_info.h	4948	2021/05/14
src/libcode/vx_tc_util/pair_data_genesis.cc	8542	2021/05/14
src/libcode/vx_tc_util/pair_data_genesis.h	5460	2021/05/14
src/libcode/vx_tc_util/prob_info_array.cc	5375	2021/05/14
src/libcode/vx_tc_util/prob_info_array.h	2214	2021/05/14
src/libcode/vx_tc_util/prob_info_base.cc	8678	2021/05/14
src/libcode/vx_tc_util/prob_info_base.h	4983	2021/05/14
src/libcode/vx_tc_util/prob_rirw_info.cc	5537	2021/05/14
src/libcode/vx_tc_util/prob_rirw_info.h	2679	2021/05/14

Filename	Size (bytes)	Modified Date
src/libcode/vx_tc_util/prob_rirw_pair_info.cc	12111	2021/05/14
src/libcode/vx_tc_util/prob_rirw_pair_info.h	6375	2021/05/14
src/libcode/vx_tc_util/tc_columns.cc	11831	2021/05/14
src/libcode/vx_tc_util/tc_columns.h	5673	2021/05/14
src/libcode/vx_tc_util/tc_hdr_columns.cc	1514	2021/05/14
src/libcode/vx_tc_util/tc_hdr_columns.h	5511	2021/05/14
src/libcode/vx_tc_util/tc_stat_line.cc	9639	2021/05/14
src/libcode/vx_tc_util/tc_stat_line.h	3404	2021/05/14
src/libcode/vx_tc_util/track_info.cc	31205	2021/05/14
src/libcode/vx_tc_util/track_info.h	9513	2021/05/14
src/libcode/vx_tc_util/track_pair_info.cc	29188	2021/05/14
src/libcode/vx_tc_util/track_pair_info.h	7901	2021/05/14
src/libcode/vx_tc_util/track_point.cc	17439	2021/05/14
src/libcode/vx_tc_util/track_point.h	9753	2021/05/14
src/libcode/vx_tc_util/vx_tc_nc_util.cc	18113	2021/05/14
src/libcode/vx_tc_util/vx_tc_nc_util.h	2807	2021/05/14
src/libcode/vx_tc_util/vx_tc_util.h	1136	2021/05/14
src/libcode/vx_time_series/compute_swinging_door.cc	5711	2021/05/14
src/libcode/vx_time_series/compute_swinging_door.h	4684	2021/05/14
src/libcode/vx_time_series/time_series_util.cc	6414	2021/05/14
src/libcode/vx_time_series/time_series_util.h	2093	2021/05/14
src/libcode/vx_time_series/vx_time_series.h	826	2021/05/14
src/tools/core/ensemble_stat/ensemble_stat.cc	107688	2021/05/14
src/tools/core/ensemble_stat/ensemble_stat.h	5801	2021/05/14
src/tools/core/ensemble_stat/ensemble_stat_conf_info.cc	33552	2021/05/14
src/tools/core/ensemble_stat/ensemble_stat_conf_info.h	9597	2021/05/14
src/tools/core/grid_stat/grid_stat.cc	116252	2021/05/14
src/tools/core/grid_stat/grid_stat.h	5126	2021/05/14
src/tools/core/grid_stat/grid_stat_conf_info.cc	36716	2021/05/14
src/tools/core/grid_stat/grid_stat_conf_info.h	10881	2021/05/14
src/tools/core/mode/cluster_page.cc	8921	2021/05/14
src/tools/core/mode/fcst_enlarge_page.cc	2245	2021/05/14
src/tools/core/mode/mode.cc	9634	2021/05/14
src/tools/core/mode/mode_exec.cc	49181	2021/05/14
src/tools/core/mode/mode_exec.h	3680	2021/05/14

Filename	Size (bytes)	Modified Date
src/tools/core/mode/mode_ps_file.cc	24818	2021/05/14
src/tools/core/mode/mode_ps_file.h	4787	2021/05/14
src/tools/core/mode/mode_ps_table_defs.h	1371	2021/05/14
src/tools/core/mode/obs_enlarge_page.cc	2250	2021/05/14
src/tools/core/mode/overlap_page.cc	2748	2021/05/14
src/tools/core/mode/page_1.cc	28090	2021/05/14
src/tools/core/mode/plot_engine.cc	2100	2021/05/14
src/tools/core/mode_analysis/config_to_att.cc	14009	2021/05/14
src/tools/core/mode_analysis/config_to_att.h	1271	2021/05/14
src/tools/core/mode_analysis/mode_analysis.cc	12882	2021/05/14
src/tools/core/pcp_combine/pcp_combine.cc	49135	2021/05/14
src/tools/core/point_stat/point_stat.cc	81383	2021/05/14
src/tools/core/point_stat/point_stat.h	4822	2021/05/14
src/tools/core/point_stat/point_stat_conf_info.cc	38653	2021/05/14
src/tools/core/point_stat/point_stat_conf_info.h	9324	2021/05/14
src/tools/core/series_analysis/series_analysis.cc	88319	2021/05/14
src/tools/core/series_analysis/series_analysis.h	4859	2021/05/14
src/tools/core/series_analysis/series_analysis_conf_info.cc	14848	2021/05/14
src/tools/core/series_analysis/series_analysis_conf_info.h	4217	2021/05/14
src/tools/core/stat_analysis/aggr_stat_line.cc	111963	2021/05/14
src/tools/core/stat_analysis/aggr_stat_line.h	9905	2021/05/14
src/tools/core/stat_analysis/parse_stat_line.cc	15878	2021/05/14
src/tools/core/stat_analysis/parse_stat_line.h	4498	2021/05/14
src/tools/core/stat_analysis/stat_analysis.cc	22049	2021/05/14
src/tools/core/stat_analysis/stat_analysis.h	2978	2021/05/14
src/tools/core/stat_analysis/stat_analysis_job.cc	154280	2021/05/14
src/tools/core/stat_analysis/stat_analysis_job.h	6481	2021/05/14
src/tools/core/wavelet_stat/wavelet_stat.cc	95717	2021/05/14
src/tools/core/wavelet_stat/wavelet_stat.h	5164	2021/05/14
src/tools/core/wavelet_stat/wavelet_stat_conf_info.cc	21397	2021/05/14
src/tools/core/wavelet_stat/wavelet_stat_conf_info.h	5862	2021/05/14
src/tools/dev_utils/chk4copyright.cc	11373	2021/05/14
src/tools/dev_utils/gen_climo_bin.cc	14570	2021/05/14
src/tools/dev_utils/gribtab.dat_to_flat.cc	2318	2021/05/14
src/tools/dev_utils/insitu_nc_file.cc	8471	2021/05/14

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src/tools/dev_utils/insitu_nc_file.h	2086	2021/05/14
src/tools/dev_utils/insitu_nc_to_ascii.cc	3666	2021/05/14
src/tools/dev_utils/met_nc_file.cc	9518	2021/05/14
src/tools/dev_utils/met_nc_file.h	1859	2021/05/14
src/tools/dev_utils/nceptab_to_flat.cc	4898	2021/05/14
src/tools/dev_utils/pbtime.cc	2646	2021/05/14
src/tools/dev_utils/reformat_county_data.cc	3934	2021/05/14
src/tools/dev_utils/reformat_map_data.cc	3955	2021/05/14
src/tools/dev_utils/shapefiles/make_mapfiles.cc	14703	2021/05/14
src/tools/dev_utils/swinging_door.cc	8370	2021/05/14
src/tools/other/ascii2nc/aeronet_handler.cc	25464	2021/05/14
src/tools/other/ascii2nc/aeronet_handler.h	3090	2021/05/14
src/tools/other/ascii2nc/ascii2nc.cc	18947	2021/05/14
src/tools/other/ascii2nc/ascii2nc_conf_info.cc	2256	2021/05/14
src/tools/other/ascii2nc/ascii2nc_conf_info.h	1775	2021/05/14
src/tools/other/ascii2nc/file_handler.cc	12181	2021/05/14
src/tools/other/ascii2nc/file_handler.h	4543	2021/05/14
src/tools/other/ascii2nc/little_r_handler.cc	9934	2021/05/14
src/tools/other/ascii2nc/little_r_handler.h	1522	2021/05/14
src/tools/other/ascii2nc/met_handler.cc	4752	2021/05/14
src/tools/other/ascii2nc/met_handler.h	1328	2021/05/14
src/tools/other/ascii2nc/python_handler.cc	7747	2021/05/14
src/tools/other/ascii2nc/python_handler.h	2120	2021/05/14
src/tools/other/ascii2nc/surfrad_handler.cc	17752	2021/05/14
src/tools/other/ascii2nc/surfrad_handler.h	3557	2021/05/14
src/tools/other/ascii2nc/wwsis_handler.cc	7862	2021/05/14
src/tools/other/ascii2nc/wwsis_handler.h	2608	2021/05/14
src/tools/other/gen_vx_mask/gen_vx_mask.cc	45504	2021/05/14
src/tools/other/gen_vx_mask/gen_vx_mask.h	5500	2021/05/14
src/tools/other/gen_vx_mask/grid_closed_poly.cc	4599	2021/05/14
src/tools/other/gen_vx_mask/grid_closed_poly.h	2151	2021/05/14
src/tools/other/gis_utils/gis_dump_dbf.cc	3011	2021/05/14
src/tools/other/gis_utils/gis_dump_shp.cc	4096	2021/05/14
src/tools/other/gis_utils/gis_dump_shx.cc	2581	2021/05/14
src/tools/other/grid_diag/grid_diag.cc	25892	2021/05/14

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src/tools/other/grid_diag/grid_diag.h	3630	2021/05/14
src/tools/other/grid_diag/grid_diag_conf_info.cc	6160	2021/05/14
src/tools/other/grid_diag/grid_diag_conf_info.h	2300	2021/05/14
src/tools/other/gsi_tools/conv_offsets.h	2653	2021/05/14
src/tools/other/gsi_tools/conv_record.cc	7031	2021/05/14
src/tools/other/gsi_tools/conv_record.h	3321	2021/05/14
src/tools/other/gsi_tools/ftto.h	885	2021/05/14
src/tools/other/gsi_tools/gsi_record.cc	2403	2021/05/14
src/tools/other/gsi_tools/gsi_record.h	1793	2021/05/14
src/tools/other/gsi_tools/gsi_util.cc	11308	2021/05/14
src/tools/other/gsi_tools/gsi_util.h	3936	2021/05/14
src/tools/other/gsi_tools/gsid2mpr.cc	18643	2021/05/14
src/tools/other/gsi_tools/gsid2mpr.h	5549	2021/05/14
src/tools/other/gsi_tools/gsidens2orank.cc	29956	2021/05/14
src/tools/other/gsi_tools/gsidens2orank.h	5036	2021/05/14
src/tools/other/gsi_tools/rad_config.cc	2969	2021/05/14
src/tools/other/gsi_tools/rad_config.h	1624	2021/05/14
src/tools/other/gsi_tools/rad_offsets.h	4255	2021/05/14
src/tools/other/gsi_tools/rad_record.cc	11934	2021/05/14
src/tools/other/gsi_tools/rad_record.h	5499	2021/05/14
src/tools/other/ioda2nc/ioda2nc.cc	46106	2021/05/14
src/tools/other/ioda2nc/ioda2nc_conf_info.cc	5123	2021/05/14
src/tools/other/ioda2nc/ioda2nc_conf_info.h	2989	2021/05/14
src/tools/other/lidar2nc/calipso_5km.cc	18476	2021/05/14
src/tools/other/lidar2nc/calipso_5km.h	4597	2021/05/14
src/tools/other/lidar2nc/hdf_utils.cc	3069	2021/05/14
src/tools/other/lidar2nc/hdf_utils.h	2157	2021/05/14
src/tools/other/lidar2nc/lidar2nc.cc	13245	2021/05/14
src/tools/other/madis2nc/madis2nc.cc	149078	2021/05/14
src/tools/other/madis2nc/madis2nc.h	4617	2021/05/14
src/tools/other/madis2nc/madis2nc_conf_info.cc	2162	2021/05/14
src/tools/other/madis2nc/madis2nc_conf_info.h	1625	2021/05/14
src/tools/other/mode_graphics/cgraph.h	1036	2021/05/14
src/tools/other/mode_graphics/cgraph_font.cc	9959	2021/05/14
src/tools/other/mode_graphics/cgraph_font.h	2774	2021/05/14

Filename	Size (bytes)	Modified Date
src/tools/other/mode_graphics/cgraph_main.cc	36703	2021/05/14
src/tools/other/mode_graphics/cgraph_main.h	11442	2021/05/14
src/tools/other/mode_graphics/cgraphbase_plottype_to_s…	1774	2021/05/14
src/tools/other/mode_graphics/cgraphbase_plottype_to_s…	1304	2021/05/14
src/tools/other/mode_graphics/color_stack.cc	4513	2021/05/14
src/tools/other/mode_graphics/color_stack.h	1631	2021/05/14
src/tools/other/mode_graphics/gs_ps_map.h	3205	2021/05/14
src/tools/other/mode_graphics/mode_nc_output_file.cc	16103	2021/05/14
src/tools/other/mode_graphics/mode_nc_output_file.h	4844	2021/05/14
src/tools/other/mode_graphics/plot_mode_field.cc	29116	2021/05/14
src/tools/other/mode_time_domain/2d_att.cc	9564	2021/05/14
src/tools/other/mode_time_domain/2d_att.h	5432	2021/05/14
src/tools/other/mode_time_domain/2d_att_array.cc	6032	2021/05/14
src/tools/other/mode_time_domain/2d_att_array.h	2066	2021/05/14
src/tools/other/mode_time_domain/2d_columns.h	1162	2021/05/14
src/tools/other/mode_time_domain/2d_moments.cc	3284	2021/05/14
src/tools/other/mode_time_domain/2d_moments.h	1750	2021/05/14
src/tools/other/mode_time_domain/3d_att.cc	26894	2021/05/14
src/tools/other/mode_time_domain/3d_att.h	12119	2021/05/14
src/tools/other/mode_time_domain/3d_att_pair_array.cc	6622	2021/05/14
src/tools/other/mode_time_domain/3d_att_pair_array.h	2357	2021/05/14
src/tools/other/mode_time_domain/3d_att_single_array.cc	4912	2021/05/14
src/tools/other/mode_time_domain/3d_att_single_array.h	1953	2021/05/14
src/tools/other/mode_time_domain/3d_conv.cc	19741	2021/05/14
src/tools/other/mode_time_domain/3d_moments.cc	4020	2021/05/14
src/tools/other/mode_time_domain/3d_moments.h	1925	2021/05/14
src/tools/other/mode_time_domain/3d_pair_columns.h	1216	2021/05/14
src/tools/other/mode_time_domain/3d_single_columns.h	1292	2021/05/14
src/tools/other/mode_time_domain/3d_txt_header.h	1235	2021/05/14
src/tools/other/mode_time_domain/fo_graph.cc	8093	2021/05/14
src/tools/other/mode_time_domain/fo_graph.h	3067	2021/05/14
src/tools/other/mode_time_domain/fo_node.cc	2845	2021/05/14
src/tools/other/mode_time_domain/fo_node.h	2166	2021/05/14
src/tools/other/mode_time_domain/fo_node_array.cc	4157	2021/05/14
src/tools/other/mode_time_domain/fo_node_array.h	1813	2021/05/14

Filename	Size (bytes)	Modified Date
src/tools/other/mode_time_domain/interest_calc.cc	4574	2021/05/14
src/tools/other/mode_time_domain/interest_calc.h	1915	2021/05/14
src/tools/other/mode_time_domain/mm_engine.cc	6393	2021/05/14
src/tools/other/mode_time_domain/mm_engine.h	2918	2021/05/14
src/tools/other/mode_time_domain/mtd.cc	27122	2021/05/14
src/tools/other/mode_time_domain/mtd_config_info.cc	21457	2021/05/14
src/tools/other/mode_time_domain/mtd_config_info.h	5948	2021/05/14
src/tools/other/mode_time_domain/mtd_file.h	849	2021/05/14
src/tools/other/mode_time_domain/mtd_file_base.cc	7613	2021/05/14
src/tools/other/mode_time_domain/mtd_file_base.h	3792	2021/05/14
src/tools/other/mode_time_domain/mtd_file_float.cc	15808	2021/05/14
src/tools/other/mode_time_domain/mtd_file_float.h	3834	2021/05/14
src/tools/other/mode_time_domain/mtd_file_int.cc	29774	2021/05/14
src/tools/other/mode_time_domain/mtd_file_int.h	4645	2021/05/14
src/tools/other/mode_time_domain/mtd_nc_defs.h	2648	2021/05/14
src/tools/other/mode_time_domain/mtd_nc_output.cc	8069	2021/05/14
src/tools/other/mode_time_domain/mtd_nc_output.h	1725	2021/05/14
src/tools/other/mode_time_domain/mtd_partition.cc	11189	2021/05/14
src/tools/other/mode_time_domain/mtd_partition.h	4111	2021/05/14
src/tools/other/mode_time_domain/mtd_read_data.cc	2833	2021/05/14
src/tools/other/mode_time_domain/mtd_read_data.h	1081	2021/05/14
src/tools/other/mode_time_domain/mtd_txt_output.cc	12531	2021/05/14
src/tools/other/mode_time_domain/mtd_txt_output.h	2730	2021/05/14
src/tools/other/mode_time_domain/mtdfiletype_to_string.cc	2185	2021/05/14
src/tools/other/mode_time_domain/mtdfiletype_to_string.h	1366	2021/05/14
src/tools/other/mode_time_domain/nc_grid.cc	9426	2021/05/14
src/tools/other/mode_time_domain/nc_grid.h	985	2021/05/14
src/tools/other/mode_time_domain/nc_utils_local.cc	3219	2021/05/14
src/tools/other/mode_time_domain/nc_utils_local.h	1422	2021/05/14
src/tools/other/modis_regrid/cloudsat_swath_file.cc	34522	2021/05/14
src/tools/other/modis_regrid/cloudsat_swath_file.h	8910	2021/05/14
src/tools/other/modis_regrid/data_averager.cc	2913	2021/05/14
src/tools/other/modis_regrid/data_averager.h	2096	2021/05/14
src/tools/other/modis_regrid/data_plane_to_netcdf.cc	3654	2021/05/14
src/tools/other/modis_regrid/data_plane_to_netcdf.h	1804	2021/05/14

Filename	Size (bytes)	Modified Date
src/tools/other/modis_regrid/modis_file.cc	15574	2021/05/14
src/tools/other/modis_regrid/modis_file.h	3355	2021/05/14
src/tools/other/modis_regrid/modis_regrid.cc	8924	2021/05/14
src/tools/other/modis_regrid/sat_utils.cc	2403	2021/05/14
src/tools/other/modis_regrid/sat_utils.h	1892	2021/05/14
src/tools/other/pb2nc/pb2nc.cc	132062	2021/05/14
src/tools/other/pb2nc/pb2nc_conf_info.cc	6895	2021/05/14
src/tools/other/pb2nc/pb2nc_conf_info.h	3394	2021/05/14
src/tools/other/plot_data_plane/plot_data_plane.cc	9425	2021/05/14
src/tools/other/plot_point_obs/plot_point_obs.cc	26824	2021/05/14
src/tools/other/plot_point_obs/plot_point_obs.h	2665	2021/05/14
src/tools/other/plot_point_obs/plot_point_obs_conf_info.cc	16963	2021/05/14
src/tools/other/plot_point_obs/plot_point_obs_conf_info.h	4235	2021/05/14
src/tools/other/point2grid/point2grid.cc	103758	2021/05/14
src/tools/other/point2grid/point2grid_conf_info.cc	4766	2021/05/14
src/tools/other/point2grid/point2grid_conf_info.h	2068	2021/05/14
src/tools/other/regrid_data_plane/regrid_data_plane.cc	19643	2021/05/14
src/tools/other/shift_data_plane/shift_data_plane.cc	14171	2021/05/14
src/tools/other/wwmca_tool/af_cp_file.cc	3615	2021/05/14
src/tools/other/wwmca_tool/af_cp_file.h	1656	2021/05/14
src/tools/other/wwmca_tool/af_file.cc	6914	2021/05/14
src/tools/other/wwmca_tool/af_file.h	2581	2021/05/14
src/tools/other/wwmca_tool/af_pt_file.cc	4170	2021/05/14
src/tools/other/wwmca_tool/af_pt_file.h	1834	2021/05/14
src/tools/other/wwmca_tool/ave_interp.cc	3014	2021/05/14
src/tools/other/wwmca_tool/ave_interp.h	1389	2021/05/14
src/tools/other/wwmca_tool/gridhemisphere_to_string.cc	1445	2021/05/14
src/tools/other/wwmca_tool/gridhemisphere_to_string.h	1549	2021/05/14
src/tools/other/wwmca_tool/interp_base.cc	6808	2021/05/14
src/tools/other/wwmca_tool/interp_base.h	2787	2021/05/14
src/tools/other/wwmca_tool/max_interp.cc	3076	2021/05/14
src/tools/other/wwmca_tool/max_interp.h	1389	2021/05/14
src/tools/other/wwmca_tool/min_interp.cc	3095	2021/05/14
src/tools/other/wwmca_tool/min_interp.h	1389	2021/05/14
src/tools/other/wwmca_tool/nc_output.cc	5673	2021/05/14

Filename	Size (bytes)	Modified Date
src/tools/other/wwmca_tool/nearest_interp.cc	2895	2021/05/14
src/tools/other/wwmca_tool/nearest_interp.h	1448	2021/05/14
src/tools/other/wwmca_tool/wwmca_plot.cc	13559	2021/05/14
src/tools/other/wwmca_tool/wwmca_ref.cc	21372	2021/05/14
src/tools/other/wwmca_tool/wwmca_ref.h	3646	2021/05/14
src/tools/other/wwmca_tool/wwmca_regrid.cc	7421	2021/05/14
src/tools/tc_utils/rmw_analysis/rmw_analysis.cc	23677	2021/05/14
src/tools/tc_utils/rmw_analysis/rmw_analysis.h	3471	2021/05/14
src/tools/tc_utils/rmw_analysis/rmw_analysis_conf_info.cc	5734	2021/05/14
src/tools/tc_utils/rmw_analysis/rmw_analysis_conf_info.h	2439	2021/05/14
src/tools/tc_utils/tc_dland/tc_dland.cc	10947	2021/05/14
src/tools/tc_utils/tc_dland/tc_poly.cc	9464	2021/05/14
src/tools/tc_utils/tc_dland/tc_poly.h	2906	2021/05/14
src/tools/tc_utils/tc_gen/tc_gen.cc	54483	2021/05/14
src/tools/tc_utils/tc_gen/tc_gen.h	3660	2021/05/14
src/tools/tc_utils/tc_gen/tc_gen_conf_info.cc	30950	2021/05/14
src/tools/tc_utils/tc_gen/tc_gen_conf_info.h	8317	2021/05/14
src/tools/tc_utils/tc_pairs/tc_pairs.cc	72242	2021/05/14
src/tools/tc_utils/tc_pairs/tc_pairs.h	2749	2021/05/14
src/tools/tc_utils/tc_pairs/tc_pairs_conf_info.cc	8720	2021/05/14
src/tools/tc_utils/tc_pairs/tc_pairs_conf_info.h	3435	2021/05/14
src/tools/tc_utils/tc_rmw/tc_rmw.cc	23364	2021/05/14
src/tools/tc_utils/tc_rmw/tc_rmw.h	3965	2021/05/14
src/tools/tc_utils/tc_rmw/tc_rmw_conf_info.cc	5717	2021/05/14
src/tools/tc_utils/tc_rmw/tc_rmw_conf_info.h	2085	2021/05/14
src/tools/tc_utils/tc_stat/tc_stat.cc	11567	2021/05/14
src/tools/tc_utils/tc_stat/tc_stat.h	2644	2021/05/14
src/tools/tc_utils/tc_stat/tc_stat_conf_info.cc	10894	2021/05/14
src/tools/tc_utils/tc_stat/tc_stat_conf_info.h	1452	2021/05/14
src/tools/tc_utils/tc_stat/tc_stat_files.cc	6296	2021/05/14
src/tools/tc_utils/tc_stat/tc_stat_files.h	1518	2021/05/14
src/tools/tc_utils/tc_stat/tc_stat_job.cc	128835	2021/05/14
src/tools/tc_utils/tc_stat/tc_stat_job.h	15716	2021/05/14

Appendix - Descriptions of Key Terminology

Security Rating

The Fortify on Demand 5-star assessment rating provides information on the likelihood and impact of defects present within an application. A perfect rating within this system would be 5 complete stars indicating that no high impact vulnerabilities were uncovered.

Rating	
★ ★ ★ ★ ★	Fortify on Demand awards one star to applications that have undergone a security review that identifies critical (high likelihood and high impact) issues.
★ ★ ★ ★ ★	Fortify on Demand awards two stars to applications that have undergone a security review that identifies no critical (high likelihood and high impact) issues. Vulnerabilities that are trivial to exploit and have a high business or technical impact should never exist in business-critical software.
★ ★ ★ ★ ★	Fortify on Demand awards three stars to applications that have undergone a security review that identifies no high (low likelihood and high impact) issues and meets the requirements needed to receive two stars. Vulnerabilities that have a high impact, even if they are non-trivial to exploit, should never exist in business critical software.
★ ★ ★ ★ ★	Fortify on Demand awards four stars to applications that have undergone a security review that identifies no medium (high likelihood and low impact) issues and meets the requirements for three stars. Vulnerabilities that have a low impact, but are easy to exploit, should be considered carefully as they may pose a greater threat if an attacker exploits many of them as part of a concerted effort or leverages a low impact vulnerability as a stepping stone to mount a high-impact attack.
★ ★ ★ ★ ★	Fortify on Demand awards five stars, the highest rating, to applications that have undergone a security review that identifies no issues.

Likelihood and Impact

Likelihood

Likelihood is the probability that a vulnerability will be accurately identified and successfully exploited.

Impact

Impact is the potential damage an attacker could do to assets by successfully exploiting a vulnerability. This damage can be in the form of, but not limited to, financial loss, compliance violation, loss of brand reputation, and negative publicity.

Fortify on Demand Priority Order

Critical

Critical-priority issues have high impact and high likelihood. Critical-priority issues are easy to detect and exploit and result in large asset damage. These issues represent the highest security risk to the application. As such, they should be remediated immediately.

SQL Injection is an example of a critical issue.

High

High-priority issues have high impact and low likelihood. High-priority issues are often difficult to detect and exploit, but can result in large asset damage. These issues represent a high security risk to the application. High priority issues should be remediated in the next scheduled patch release.

Password Management: Hardcoded Password is an example of a high issue.

Medium

Medium-priority issues have low impact and high likelihood. Medium-priority issues are easy to detect and exploit, but typically result in small asset damage. These issues represent a moderate security risk to the application. Medium-priority issues should be remediated in the next scheduled product.

Path Manipulation is an example of a medium issue.

Low

Low-priority issues have low impact and low likelihood. Low-priority issues can be difficult to detect and exploit and typically result in small asset damage. These issues represent a minor security risk to the application. Low priority issues should be remediated as time allows.

Dead Code is an example of a low issue.

Issue Status

New

New issues are ones that have been identified for the first time in the most recent analysis of the application.

Existing

Existing issues are issues that have been found in a previous analysis of the application and are still present in the latest analysis.

Reopened

Reopened issues have been discovered in a previous analysis of the application but were not present in subsequent analyses. These issues are now present again in the most recent analysis of the application.