Action	Command	Ontion	Example
	Command	Option	Example
File validation			
Find 7 general properties	census		census
(component record types) of a file;			
works with **kern only		1	1 *
Find 10 more features (features of	census	-k	census –k *
notation)			
Check Humdrum file and spine	humdrum		
_	numarum		
Syntax Output the results	humdrum	-V	humdrum –v *
Output the results	Humarum	- v	numarum –v
Check syntax of **kern file	proof		
Suppress warnings in output	proof	-W	proof –w *
Suppress warmings in output	proor	**	proof w
File manipulation: extract ref	erence infor	nation (!!	
Find a record type		naudii (;;	grep '!!!OTL:' *
Count number of instances	grep	0	grep -c '^='
	grep	-c -1	grep –c ·· grep –l '!!!AIN:.*cor' bwv*.krn
Output only the file names  Eliminate file-name prefixes	grep	-1 -h	grep =h '!!!OTL:' *
Eminiate me-name prenxes	grep	-11	grep -n !!!OTL: "
Sort records in files	sort		grep -h '!!!OTL:' * sort > titles
Soft fecolds in files	SOIT		grep—ii :::O1L. * soit > titles
Select repeated lines	uniq		grep -h '!!!OTL:' * sort   uniq
Count the number of duplicated	uniq	-с	grep - ii :::O1L. sort   uniq
record	umq	-0	
Output duplicated records only	uniq	-d	grep -h '!!!COM:' * sort   uniq -d
Output unique records only	uniq	-u	grep –h '!!!COM:' * sort   uniq -u
output unique records only	umq	u	grep iieoivi. sort uniq u
File manipulation: horizontal	(get records)	)	
Eliminate designated record types	rid	<u> </u> 	
Remove (null) global comments	rid	-G (-g)	
Remove (null) local comments	rid	-G (-g)	rid –GL > newfile
Remove (null) interpretation records	rid	-L (-i)	nu –or > newme
Remove (null) data records	rid	-D (-d)	rid –GLId > newfile
Remove tandem interpretations	rid	-D (-u) -T	nu –oEiu > newme
Remove duplicate exclusive	rid	-U	
interpretations	11u	-0	
interpretations			
File manipulation: vertical (g	et snines)		
Retrieve specific spines (parts) from	extract		
a file	CAHact		
Field mode; spines may be	extract	-f	extract -f 1, 3, 8
identified by number	CALLUCT	1	Ondaot 11, 5, 0
Interpretation mode	extract	-i	extract –I '*Ioboe' bwv1047a.krn
		-	census -k
Spine-path mode	extract	-p	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Field-trace mode	extract	-t	

Action	Command	Option	Example
Rightmost field (minus 1)	extract	\$ (\$-1)	extract –f 2, 4-6, \$
Combine spines (record numbers in	assemble		assemble file1 file2
files must correspond)			
File contents display			
Show file contents	cat		
Show one screen at a time	cat + more	-n	cat   more – <i>n</i> (no. of lines to display per screen)
Show first records of file	head		
Show last records of file	tail		