

URGENT FIELD SAFETY NOTICE

Subject: 4D Integrated Treatment Console, unintended gantry angle acquisition of a CBCT imaging field

Commercial Name of Affected Product: 4D Integrated Treatment Console

FSCA Identifier: CP-01699

Date of Notification: 2009/10/16

Type of Action: Notification

Details of Affected Devices:

4D Integrated Treatment Console Versions: 8.0.12, 8.0.23 SP2, 8.1 SP2, 8.1.1.3, 8.1.1.4, 8.1.2, 8.1.3, 8.1.4, 8.3, 8.6, 8.6.1, 8.6.2, 8.8.0

Description of Problem:

We are writing to advise you about the behavior of the 4D Integrated Treatment Console (4D ITC) when adding a CBCT image. This advisory notice is to provide you with information and associated behavior regarding the ability to acquire the gantry angle when 'Treatment Approval Enforced' and/or 'Allow only couch parameter (vert, long, lat) editing and acquiring for approved plans' has been selected in Treatment Administration.

Anomaly:

There are two scenarios in which the user can create a CBCT imaging field at the 4D ITC and be allowed to acquire the gantry angle without proper user rights.

The first scenario occurs when 4D ITC Treatment Administration is configured with 'Treatment Approval Enforced' and 'Allow only couch parameter (vert, long, lat) editing and acquiring for approved plans' selected. The user will be able to add a CBCT imaging field, edit couch parameters and acquire actual(s) (including gantry angle). The acquisition of actual plan parameters can be applied to all subsequent fields after the gantry angle has been acquired for the CBCT and the actual(s) are acquired again. The plan will then be marked unapproved and will not be allowed to be treated until treatment approved. Changes made to the plan will be saved back to the database.

The second scenario occurs when 4D ITC Treatment Administration is configured with 'Allow only couch parameter (vert, long, lat) editing and acquiring for approved plans' selected and 'Treatment Approval Enforced' is not enforced. The user will be able to add a CBCT imaging field, edit couch parameters and acquire actual(s) (including gantry angle). The acquisition of actual plan parameters can be applied to all subsequent fields as well. The plan will then be marked unapproved but will be allowed to be treated for the current session, even though the user should not be able to acquire the gantry angle. Changes made to the plan will be saved back to the database and the plan must be treatment approved before the next session.

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Details:

Under normal operating conditions, user rights for treatment are set in Treatment Administration and enforced on the 4D ITC. Within the Plan Edit Preference tab, if 'Allow only couch parameter (vert, long, lat) editing and acquiring for approved plans' is selected, users should only be allowed to acquire couch vertical, longitudinal and lateral parameters. However, if a new CBCT field is created on the 4D ITC, it is possible to acquire the gantry angle even when the Plan Edit Preference has been set to disallow gantry acquisition.

The user selects the 'create field' button on the 4D ITC and the field creation wizard is started. The user then selects CBCT as the type of field to be created. After CBCT creation, the user selects the tolerance table to be used and then can choose to enter in couch vertical, longitudinal and lateral or 'acquire' actual. Moreover, if the source angle and gantry angle are not available for manual input, the user must use the 'acquire' actual(s) functionality.

When selecting the 'acquire' actual(s) for the CBCT field at the 4D ITC, the user right of 'Allow only couch parameter (vert, long, lat) editing and acquiring for approved plans' is not enforced. The user can use the 'select all' button to acquire all parameters available, including those not selected in Treatment Administration. This capability is visible on the screen where the gantry angle, which would normally be 'grayed out' now is shown in normal text. Once the parameters have been selected, the user can apply the new parameters to all fields of the plan, including treatment fields. The plan will be allowed to be treated for that session if 'Treatment Approval' has not been selected.

If 'Treatment Approval' has been selected and gantry has been acquired, the plan will become 'unapproved', treatment will not be allowed and must become 'treatment approved' before the next session can be treated.

The change in 'treatment approved' status to 'unapproved' is determined by which parameter has been edited. A change in gantry angle is considered to be a major plan edit in which approval status is changed to unapproved and the 3D dose distribution is cleared.

Recommended User Action:

- Users are advised to use caution when creating a CBCT imaging field and limit the use of the 'select all' button when acquiring actual treatment parameters. If the gantry angle is not 'grayed out', it may be unintentionally acquired.
- Varian recommends that only vertical, longitudinal and lateral couch parameters are acquired when creating a CBCT field at the 4D ITC.
- Users should review departmental policies and procedures regarding the acquisition of any gantry angle at the 4D ITC.
- If owners of 4D ITC, version 8.0.12 and higher, have any questions regarding this Product Notification Letter, please contact Varian Medical Systems Help Desk at 1-888-VARIAN5 (888-827-4265) for USA and Canada and +41 41 749 8844 for Europe. World wide e-mail addresses are listed below as well as internet support.

Varian Corrective Action:

Varian is notifying all affected customers with this document.

Varian will correct this issue in a future release of the 4D ITC software.

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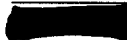
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Please advise the appropriate personnel working in your Radiotherapy Department of the content of this letter.

The undersigned confirms that this notice has been provided to the appropriate Regulatory Agency.



2009-10-16

 Manager, Reporting and Corrections

Date

Varian Oncology Help Desk Contact Information:

Phone: USA and Canada – 1-888-VARIAN5 (888- 827-4265)
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APPENDIX
LIST OF SERIAL NUMBERS

H510001	H510049	H510129	H510202	H510286	H510350	H510410	H510468	H510514
H510002	H510050	H510130	H510206	H510289	H510351	H510411	H510470	H510515
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H511063	H511114	H511166	H511219	H511267	H511328	H511379	H511434	H511480
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H511565	H511614	H511666	H511722	H511775	H511831	H511880	H511937	H511985
H511566	H511615	H511667	H511723	H511776	H511832	H511881	H511938	H511987
H511569	H511616	H511670	H511724	H511777	H511833	H511882	H511939	H511990
H511570	H511619	H511671	H511726	H511778	H511835	H511883	H511943	H511991
H511572	H511620	H511673	H511727	H511779	H511836	H511884	H511944	H511992
H511573	H511622	H511674	H511728	H511780	H511837	H511886	H511945	H511993

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H511994	H512044	H512094	H512156	H512224	H512277	H512328	H512386	H512436
H511995	H512046	H512095	H512157	H512226	H512278	H512329	H512387	H512437
H511996	H512047	H512097	H512161	H512227	H512279	H512331	H512388	H512438
H511998	H512048	H512100	H512163	H512228	H512280	H512332	H512389	H512439
H511999	H512049	H512103	H512165	H512229	H512282	H512334	H512390	H512440
H512000	H512050	H512104	H512166	H512231	H512283	H512335	H512391	H512441
H512001	H512051	H512107	H512168	H512234	H512284	H512337	H512392	H512445
H512002	H512052	H512108	H512169	H512236	H512287	H512339	H512394	H512446
H512003	H512053	H512111	H512171	H512237	H512288	H512340	H512396	H512449
H512004	H512056	H512112	H512180	H512238	H512289	H512341	H512398	H512450
H512005	H512057	H512113	H512182	H512239	H512290	H512342	H512399	H512451
H512006	H512058	H512114	H512184	H512240	H512291	H512344	H512400	H512452
H512007	H512059	H512118	H512185	H512241	H512292	H512345	H512401	H512453
H512008	H512060	H512120	H512186	H512242	H512293	H512347	H512402	H512454
H512010	H512062	H512121	H512187	H512243	H512294	H512349	H512403	H512455
H512011	H512063	H512122	H512188	H512244	H512296	H512350	H512404	H512459
H512012	H512064	H512124	H512190	H512245	H512297	H512354	H512405	H512460
H512013	H512065	H512125	H512191	H512246	H512298	H512355	H512406	H512461
H512014	H512066	H512126	H512194	H512247	H512299	H512356	H512407	H512462
H512016	H512067	H512127	H512197	H512248	H512300	H512357	H512408	H512463
H512017	H512068	H512128	H512198	H512249	H512302	H512358	H512410	H512464
H512019	H512069	H512131	H512199	H512250	H512303	H512360	H512411	H512465
H512020	H512070	H512132	H512200	H512252	H512304	H512361	H512414	H512466
H512021	H512071	H512133	H512201	H512253	H512305	H512362	H512415	H512467
H512022	H512072	H512134	H512202	H512254	H512306	H512364	H512416	H512468
H512024	H512073	H512135	H512203	H512255	H512307	H512365	H512417	H512469
H512028	H512076	H512136	H512204	H512256	H512308	H512366	H512418	H512470
H512029	H512077	H512137	H512205	H512258	H512309	H512367	H512419	H512471
H512031	H512078	H512138	H512206	H512259	H512310	H512368	H512420	H512475
H512032	H512079	H512139	H512207	H512260	H512311	H512369	H512421	H512477
H512033	H512081	H512140	H512208	H512262	H512314	H512371	H512423	H512479
H512035	H512082	H512142	H512210	H512264	H512315	H512372	H512425	H512480
H512036	H512083	H512144	H512211	H512265	H512317	H512375	H512426	H512483
H512037	H512084	H512145	H512212	H512266	H512318	H512376	H512427	H512485
H512038	H512085	H512146	H512213	H512268	H512320	H512377	H512429	H512486
H512039	H512086	H512148	H512214	H512270	H512321	H512378	H512431	H512487
H512040	H512087	H512149	H512218	H512271	H512322	H512379	H512432	H512489
H512041	H512088	H512150	H512219	H512273	H512324	H512380	H512433	H512490
H512042	H512090	H512154	H512222	H512274	H512325	H512381	H512434	H512491
H512043	H512091	H512155	H512223	H512275	H512327	H512385	H512435	H512492

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H512495	H512551	H512610	H512671	H512720	H512782	H512839	H512888	H512954
H512496	H512552	H512611	H512674	H512723	H512783	H512841	H512889	H512955
H512497	H512553	H512612	H512675	H512724	H512784	H512842	H512890	H512956
H512498	H512554	H512613	H512676	H512725	H512785	H512843	H512892	H512957
H512502	H512555	H512614	H512677	H512726	H512786	H512845	H512893	H512958
H512503	H512556	H512616	H512678	H512727	H512787	H512846	H512896	H512959
H512504	H512559	H512617	H512679	H512729	H512789	H512847	H512899	H512960
H512506	H512560	H512618	H512680	H512730	H512790	H512848	H512902	H512961
H512507	H512561	H512619	H512681	H512731	H512791	H512849	H512907	H512962
H512509	H512563	H512620	H512682	H512732	H512795	H512850	H512908	H512964
H512511	H512567	H512621	H512683	H512734	H512799	H512852	H512909	H512966
H512513	H512568	H512622	H512684	H512735	H512801	H512853	H512912	H512967
H512515	H512569	H512623	H512685	H512737	H512802	H512854	H512913	H512969
H512516	H512570	H512624	H512686	H512738	H512803	H512855	H512914	H512970
H512517	H512573	H512632	H512691	H512739	H512804	H512856	H512916	H512971
H512518	H512574	H512633	H512692	H512740	H512809	H512858	H512917	H512972
H512520	H512575	H512634	H512693	H512741	H512810	H512859	H512918	H512973
H512521	H512576	H512636	H512694	H512742	H512811	H512860	H512920	H512974
H512522	H512577	H512637	H512695	H512743	H512812	H512861	H512921	H512977
H512524	H512578	H512642	H512697	H512744	H512813	H512862	H512924	H512978
H512525	H512579	H512643	H512698	H512745	H512814	H512863	H512926	H512979
H512526	H512581	H512644	H512700	H512747	H512815	H512864	H512928	H512980
H512527	H512582	H512645	H512701	H512749	H512816	H512865	H512929	H512982
H512532	H512583	H512646	H512702	H512750	H512817	H512866	H512930	H512984
H512533	H512585	H512647	H512703	H512751	H512818	H512867	H512931	H512985
H512534	H512586	H512650	H512704	H512757	H512819	H512868	H512932	H512987
H512535	H512587	H512652	H512705	H512758	H512821	H512869	H512933	H512988
H512536	H512588	H512657	H512706	H512761	H512822	H512873	H512934	H512989
H512537	H512590	H512658	H512707	H512763	H512824	H512874	H512935	H512990
H512538	H512591	H512659	H512708	H512767	H512827	H512875	H512936	H512991
H512539	H512592	H512661	H512709	H512769	H512828	H512878	H512938	H512992
H512540	H512596	H512662	H512710	H512770	H512829	H512879	H512939	H512993
H512541	H512597	H512663	H512711	H512771	H512831	H512880	H512940	H512994
H512542	H512598	H512664	H512712	H512773	H512832	H512881	H512941	H512995
H512543	H512600	H512665	H512713	H512774	H512833	H512882	H512943	H512996
H512545	H512602	H512666	H512714	H512776	H512834	H512883	H512944	H512997
H512546	H512603	H512667	H512716	H512777	H512835	H512884	H512945	H512998
H512547	H512604	H512668	H512717	H512778	H512836	H512885	H512946	H512999
H512548	H512607	H512669	H512718	H512779	H512837	H512886	H512948	H513000
H512550	H512608	H512670	H512719	H512781	H512838	H512887	H512953	H513001

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H513002	H513050	H513107	H513156	H513211	H513265	H513312	H513373	H513428
H513004	H513051	H513108	H513157	H513212	H513266	H513315	H513374	H513429
H513005	H513052	H513109	H513158	H513213	H513267	H513317	H513375	H513430
H513006	H513054	H513111	H513162	H513215	H513268	H513321	H513376	H513431
H513008	H513055	H513112	H513163	H513216	H513269	H513322	H513378	H513432
H513009	H513056	H513113	H513164	H513217	H513272	H513323	H513379	H513433
H513010	H513058	H513114	H513165	H513220	H513273	H513325	H513380	H513434
H513011	H513059	H513115	H513166	H513222	H513274	H513326	H513381	H513435
H513012	H513060	H513116	H513167	H513223	H513276	H513327	H513382	H513437
H513014	H513062	H513117	H513170	H513224	H513277	H513329	H513383	H513438
H513015	H513064	H513118	H513171	H513225	H513278	H513330	H513384	H513439
H513016	H513065	H513119	H513172	H513226	H513279	H513331	H513385	H513440
H513018	H513066	H513120	H513174	H513227	H513280	H513338	H513386	H513441
H513019	H513067	H513121	H513176	H513228	H513281	H513339	H513387	H513443
H513020	H513069	H513122	H513180	H513229	H513283	H513340	H513388	H513450
H513021	H513070	H513123	H513181	H513231	H513285	H513341	H513389	H513451
H513022	H513073	H513124	H513182	H513233	H513287	H513342	H513390	H513452
H513023	H513078	H513125	H513183	H513234	H513289	H513344	H513393	H513453
H513024	H513079	H513127	H513184	H513236	H513290	H513345	H513394	H513454
H513025	H513080	H513128	H513185	H513237	H513291	H513347	H513395	H513455
H513026	H513081	H513129	H513186	H513239	H513292	H513349	H513396	H513456
H513027	H513082	H513130	H513188	H513240	H513293	H513350	H513397	H513457
H513028	H513083	H513131	H513189	H513241	H513294	H513351	H513398	H513458
H513029	H513084	H513132	H513190	H513242	H513295	H513353	H513399	H513459
H513030	H513085	H513133	H513191	H513244	H513296	H513354	H513400	H513460
H513031	H513086	H513134	H513192	H513245	H513297	H513355	H513401	H513462
H513032	H513087	H513135	H513193	H513246	H513298	H513356	H513402	H513464
H513033	H513089	H513139	H513195	H513248	H513299	H513357	H513403	H513465
H513034	H513091	H513142	H513196	H513249	H513300	H513358	H513405	H513466
H513035	H513092	H513143	H513197	H513250	H513301	H513359	H513407	H513467
H513036	H513094	H513144	H513199	H513251	H513302	H513360	H513413	H513470
H513037	H513095	H513145	H513200	H513253	H513303	H513361	H513414	H513471
H513039	H513096	H513146	H513201	H513254	H513304	H513362	H513419	H513472
H513042	H513097	H513147	H513202	H513255	H513305	H513363	H513420	H513474
H513043	H513098	H513149	H513203	H513256	H513306	H513365	H513421	H513475
H513045	H513101	H513150	H513204	H513257	H513307	H513366	H513422	H513477
H513046	H513103	H513151	H513205	H513260	H513308	H513367	H513424	H513478
H513047	H513104	H513152	H513208	H513261	H513309	H513369	H513425	H513479
H513048	H513105	H513153	H513209	H513262	H513310	H513371	H513426	H513480
H513049	H513106	H513154	H513210	H513264	H513311	H513372	H513427	H513483

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H513485	H513542	H513595	H513647	H513699	H513758	H513816	H513869	H513923
H513492	H513543	H513596	H513648	H513700	H513759	H513817	H513870	H513924
H513493	H513545	H513597	H513649	H513701	H513761	H513818	H513871	H513925
H513494	H513546	H513598	H513650	H513704	H513763	H513819	H513872	H513926
H513495	H513547	H513601	H513651	H513706	H513764	H513821	H513873	H513927
H513496	H513548	H513602	H513653	H513707	H513766	H513822	H513875	H513929
H513497	H513549	H513603	H513654	H513709	H513767	H513823	H513876	H513930
H513498	H513550	H513604	H513656	H513710	H513769	H513825	H513877	H513931
H513499	H513551	H513605	H513657	H513712	H513770	H513826	H513878	H513932
H513501	H513552	H513606	H513658	H513713	H513771	H513827	H513880	H513933
H513502	H513553	H513607	H513659	H513714	H513772	H513828	H513881	H513934
H513503	H513554	H513611	H513660	H513718	H513773	H513829	H513887	H513935
H513504	H513555	H513612	H513661	H513719	H513775	H513830	H513888	H513936
H513506	H513556	H513613	H513663	H513720	H513776	H513831	H513889	H513937
H513507	H513558	H513614	H513664	H513721	H513777	H513832	H513890	H513941
H513508	H513559	H513615	H513665	H513722	H513778	H513837	H513891	H513942
H513509	H513561	H513617	H513667	H513723	H513779	H513838	H513892	H513943
H513511	H513562	H513619	H513668	H513725	H513780	H513839	H513893	H513944
H513514	H513563	H513621	H513669	H513730	H513781	H513840	H513894	H513945
H513515	H513565	H513622	H513670	H513731	H513782	H513841	H513895	H513947
H513516	H513566	H513624	H513672	H513733	H513783	H513842	H513896	H513949
H513517	H513567	H513625	H513673	H513735	H513784	H513843	H513898	H513952
H513518	H513568	H513626	H513674	H513738	H513785	H513844	H513899	H513953
H513519	H513569	H513627	H513675	H513739	H513786	H513845	H513901	H513954
H513520	H513570	H513628	H513676	H513740	H513787	H513846	H513902	H513955
H513521	H513571	H513629	H513677	H513741	H513788	H513847	H513904	H513956
H513523	H513573	H513630	H513679	H513742	H513789	H513850	H513906	H513957
H513524	H513574	H513631	H513680	H513743	H513790	H513853	H513907	H513958
H513525	H513575	H513632	H513681	H513744	H513791	H513854	H513908	H513959
H513526	H513579	H513633	H513682	H513745	H513792	H513855	H513909	H513960
H513527	H513580	H513634	H513683	H513746	H513793	H513856	H513910	H513961
H513528	H513581	H513635	H513684	H513747	H513794	H513857	H513911	H513962
H513529	H513582	H513636	H513686	H513748	H513795	H513858	H513912	H513963
H513530	H513583	H513638	H513687	H513749	H513797	H513859	H513913	H513964
H513533	H513584	H513639	H513690	H513750	H513800	H513860	H513914	H513965
H513534	H513585	H513640	H513691	H513751	H513801	H513861	H513916	H513966
H513535	H513586	H513641	H513693	H513753	H513802	H513862	H513917	H513967
H513536	H513589	H513642	H513695	H513755	H513805	H513863	H513919	H513968
H513539	H513591	H513645	H513696	H513756	H513807	H513866	H513921	H513969
H513541	H513594	H513646	H513697	H513757	H513815	H513867	H513922	H513970

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H513971	H514018	H514071	H514124	H514170	H514221	H514268	H514321	H514366
H513972	H514019	H514072	H514125	H514171	H514222	H514269	H514322	H514367
H513973	H514020	H514073	H514126	H514172	H514223	H514270	H514323	H514369
H513974	H514021	H514075	H514127	H514174	H514224	H514271	H514325	H514372
H513975	H514022	H514077	H514128	H514175	H514225	H514272	H514326	H514373
H513976	H514023	H514078	H514129	H514179	H514226	H514273	H514329	H514374
H513977	H514024	H514079	H514130	H514180	H514227	H514274	H514330	H514375
H513978	H514025	H514080	H514133	H514181	H514228	H514276	H514331	H514376
H513979	H514026	H514081	H514134	H514182	H514229	H514277	H514332	H514377
H513980	H514028	H514082	H514135	H514183	H514230	H514278	H514333	H514378
H513981	H514029	H514083	H514136	H514184	H514231	H514279	H514334	H514379
H513982	H514030	H514084	H514137	H514185	H514232	H514280	H514335	H514380
H513983	H514031	H514085	H514138	H514186	H514233	H514281	H514336	H514381
H513984	H514032	H514086	H514140	H514187	H514234	H514282	H514337	H514382
H513985	H514033	H514087	H514141	H514188	H514235	H514283	H514338	H514383
H513986	H514034	H514089	H514142	H514189	H514236	H514284	H514339	H514385
H513987	H514039	H514090	H514143	H514190	H514237	H514285	H514340	H514386
H513988	H514041	H514091	H514144	H514191	H514238	H514286	H514341	H514387
H513989	H514042	H514092	H514145	H514192	H514239	H514289	H514342	H514388
H513990	H514047	H514093	H514146	H514193	H514240	H514291	H514343	H514389
H513991	H514048	H514094	H514147	H514194	H514241	H514292	H514344	H514390
H513992	H514050	H514095	H514148	H514196	H514243	H514293	H514345	H514391
H513993	H514051	H514096	H514149	H514197	H514244	H514296	H514346	H514392
H513995	H514052	H514097	H514152	H514198	H514245	H514297	H514347	H514395
H513999	H514053	H514098	H514153	H514200	H514246	H514300	H514348	H514396
H514000	H514054	H514099	H514154	H514202	H514247	H514301	H514349	H514397
H514001	H514055	H514100	H514155	H514203	H514248	H514303	H514350	H514398
H514002	H514056	H514101	H514156	H514204	H514249	H514304	H514351	H514399
H514003	H514058	H514102	H514157	H514209	H514250	H514305	H514352	H514400
H514004	H514059	H514103	H514158	H514210	H514253	H514306	H514353	H514402
H514005	H514060	H514104	H514159	H514211	H514254	H514307	H514355	H514403
H514007	H514062	H514108	H514160	H514212	H514256	H514308	H514357	H514404
H514008	H514063	H514110	H514162	H514213	H514257	H514310	H514358	H514405
H514009	H514064	H514112	H514163	H514214	H514258	H514311	H514359	H514406
H514010	H514065	H514114	H514164	H514215	H514260	H514313	H514360	H514407
H514011	H514066	H514115	H514165	H514216	H514261	H514314	H514361	H514408
H514013	H514067	H514119	H514166	H514217	H514262	H514315	H514362	H514409
H514015	H514068	H514121	H514167	H514218	H514263	H514316	H514363	H514410
H514016	H514069	H514122	H514168	H514219	H514265	H514318	H514364	H514411
H514017	H514070	H514123	H514169	H514220	H514266	H514319	H514365	H514412

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H514413	H514472	H514527	H514580	H514626	H514670	H514768	H515035	H515081
H514414	H514474	H514528	H514581	H514627	H514671	H514770	H515036	H515082
H514415	H514475	H514529	H514582	H514628	H514672	H514779	H515037	H515085
H514416	H514478	H514530	H514583	H514629	H514673	H514780	H515038	H515086
H514417	H514479	H514532	H514584	H514631	H514675	H514784	H515039	H515087
H514420	H514480	H514533	H514586	H514632	H514676	H514785	H515040	H515089
H514421	H514483	H514534	H514588	H514633	H514678	H514787	H515041	H515090
H514422	H514484	H514539	H514589	H514634	H514679	H514790	H515042	H515092
H514424	H514485	H514540	H514590	H514635	H514683	H514791	H515043	H515093
H514425	H514486	H514541	H514591	H514636	H514685	H514793	H515044	H515094
H514426	H514487	H514542	H514592	H514637	H514687	H514858	H515045	H515095
H514427	H514488	H514543	H514596	H514638	H514688	H515000	H515046	H515096
H514428	H514489	H514544	H514597	H514639	H514689	H515004	H515047	H515097
H514429	H514490	H514545	H514598	H514640	H514690	H515005	H515048	H515098
H514430	H514491	H514546	H514599	H514641	H514691	H515006	H515049	H515099
H514433	H514493	H514547	H514600	H514642	H514692	H515007	H515050	H515100
H514435	H514496	H514551	H514601	H514643	H514693	H515008	H515051	H515101
H514436	H514498	H514552	H514602	H514644	H514696	H515009	H515052	H515102
H514437	H514499	H514553	H514603	H514645	H514698	H515011	H515054	H515103
H514438	H514501	H514554	H514604	H514647	H514699	H515012	H515055	H515104
H514439	H514502	H514555	H514605	H514648	H514703	H515013	H515056	H515107
H514440	H514504	H514556	H514606	H514649	H514705	H515014	H515057	H515108
H514441	H514506	H514557	H514607	H514651	H514708	H515015	H515060	H515109
H514442	H514507	H514559	H514608	H514652	H514711	H515016	H515062	H515110
H514444	H514508	H514560	H514609	H514653	H514715	H515017	H515063	H515111
H514455	H514510	H514561	H514611	H514654	H514716	H515018	H515064	H515112
H514456	H514511	H514562	H514612	H514655	H514722	H515019	H515065	H515113
H514457	H514513	H514563	H514613	H514656	H514724	H515020	H515067	H515114
H514460	H514514	H514564	H514614	H514657	H514732	H515021	H515068	H515115
H514461	H514515	H514565	H514615	H514658	H514734	H515022	H515069	H515116
H514462	H514516	H514566	H514616	H514660	H514735	H515023	H515070	H515117
H514463	H514517	H514567	H514617	H514661	H514736	H515025	H515071	H515119
H514464	H514518	H514568	H514618	H514662	H514750	H515026	H515072	H515120
H514465	H514520	H514571	H514619	H514663	H514752	H515027	H515073	H515121
H514466	H514521	H514574	H514620	H514664	H514753	H515029	H515075	H515122
H514467	H514522	H514575	H514621	H514665	H514754	H515030	H515076	H515125
H514468	H514523	H514576	H514622	H514666	H514756	H515031	H515077	H515126
H514469	H514524	H514577	H514623	H514667	H514763	H515032	H515078	H515127
H514470	H514525	H514578	H514624	H514668	H514765	H515033	H515079	H515128
H514471	H514526	H514579	H514625	H514669	H514766	H515034	H515080	H515129

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H515131	H515203
H515133	H515204
H515134	H515205
H515135	H515206
H515136	H515207
H515137	H515208
H515138	H515209
H515139	H515210
H515140	H515213
H515141	H515214
H515145	H515215
H515148	H515218
H515149	H515219
H515150	H515221
H515152	H515223
H515155	H515225
H515156	H515228
H515157	H515231
H515159	H515236
H515160	H515237
H515162	H515240
H515163	H515242
H515165	H515243
H515171	H515249
H515175	H515256
H515178	H515259
H515179	H515262
H515181	H515266
H515184	H515269
H515185	H515276
H515189	H515293
H515190	H516012
H515191	H517567
H515192	H519999
H515193	
H515196	
H515197	
H515198	
H515200	
H515201	